



KchIP1 genomic DNA (Build 33 Chr5: 169716198 – 170098453)

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cgcagaagc	cagactcgct	gcagaggcag	ctgtgctgtt	cccggagcct	169716297
gGCTTCAGGG	GTGCATCCGT	CACTCAGGGT	TCATTACACC	AGGCAGGCTC	169716347
CAAGTTCCTG	GGGTGCACAA	GGTGGGCACT	GTCCCTTCTG	GGTGCTGACA	169716397
GCAGAGCCTG	GCTCCCCTCC	GCCACCATGA	GCGGCTGCTC	CAAAAGATGC	169716447
AAGCTTGGGT	TCGTGAAATT	TGCCCAGACC	ATCTTTAAGC	TCATCACTGG	169716497
GACCCCTCAGC	AAAGgtatgg	aaactggcct	tgacccttgc	tttctgtctt	169716547
gatatggcct	ggctggtcgc	attgcctcgg	tgtggtgagc	gtgaccattc	169716597
tggtgcaccc	aggtcttgga	aaaagctggg	gaaattgggtg	gctgggattc	169716647
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agggaaactca	gctggctgta	attgcctgga	acttttgaaa	tggagttggt	169716747
ggtgtgtggc	tgatacgтта	tgggcgggca	gagggataga	accctttcca	169716797
gagcattgga	agtggcttag	cgtgactgga	gtttcaagaa	gttatccatg	169716847
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gaaaggctat	atgcagccag	atctcatgac	atggctcagg	tgcccggcac	169717597
ccagcgggtc	tggcccagtg	tacgttgtgt	ggcatgtgtg	ggtgggtggga	169717647
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aatttcacaa	agtctcccca	ttcaatcctc	agagacagct	ggaaggtttt	169717947
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gcaaccatt	gcagcctctc	atggagggct	tgtccccacc	tgagctctag	169718047
tggcgaccca	gacccccacac	acagatgctc	cctggatgcc	acactgagtg	169718097
ctgagatggg	ggaatcatgg	gggtcaacag	gcatagagaa	gagatgtctg	169718147
gggcagacta	aggagtgcct	ccaaacagtg	acatctaagc	tgagatgagg	169718197
agaggcaggg	ctgagaaggt	gggaggaagc	cgaagctgcc	agagggagca	169718247
acatcagagt	gttggcctct	gcaaggaacc	agctggagag	tcagaatgcc	169718297
tcctctctct	tgctcagaat	cccagaaact	aagatccatg	tgacacagaa	169718347
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tcctgtggcc	agggctcaga	gaggcagccc	atggcaggca	ccagggcagg	169718447
attgtgtctt	aaccgcatct	gtcttctttg	cttcagctcc	gcagagagga	169718497
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aacatgggag	cagggccagg	ctgggagcag	ggtagctgag	aaagccctgc	169718647
agagagtcca	gaaaacggct	ttctaattgtt	tacacctccc	ctaggtggat	169718697

FIG. 1A

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttagattcaa	ccctacatgg	atacattatg	attgcttaat	gattttctgat	169718747
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atttactgtt	tcttaccagc	cttgcaaata	cctggggggac	aaggaggggtc	169718947
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ccatgccaga	aatccttctt	gccatttgtc	taagatgcca	gctagcccag	169719047
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ctagacttca	gctccatcat	ggcaagacca	tgtgcatttt	tttgctcacc	169719247
actgtggcca	gagctactag	catggggccc	agaatggagt	atgtgtgtta	169719297
ccgtgttaaa	cgaatgcaac	ggcaccgcac	ggcacagaca	ccagccgtca	169719347
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cctgtcccac	aggtgctcag	caaatgctct	ctgaagtctg	tttagctgca	169719447
gcaagctgag	tctgcagcct	ccagcctcca	gcctgctgta	gcctccagcc	169719497
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aaaccacgaa	tgcagtgagg	agcacagttg	gtttctagac	tgagacatcc	169719747
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FIG. 1B

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctggaggtag	ggattgcaat	caccatttca	gcaggtaagg	aaactggggg	169721347
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ccctcctgat	gtccagtagc	cttcatccca	gcctactggc	ctcaccaccc	169722297
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FIG. 1C

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
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Replacement Sheet

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ccggagcctg	ggatgtctct	aagccatgaa	gcatattgga	ttgcagaatg	169725497
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cttaaatgtg	tatgtcaaag	ccctaaccct	caaggtggct	gtatttgatg	169725897
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FIG. 1D

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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aatgaatcat	atacgattat	aatccccctta	ctggaaaactg	tctccagtgg	169727047
tttcttgaca	catttagaat	taaatgcaga	ctcctctcag	tggcctgtga	169727097
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caccaaatac	ccccaggctc	tctccctcaa	ttcattcaaa	tccccctctg	169727197
cggttgccgt	ccctcctcat	ctcccccaac	acattgccta	atgctgcctt	169727247
gcttttctgc	acagccctta	ctgctcctgc	aataatatta	cacatgtgtt	169727297
tgcttggtga	ttttaaatgt	tttaatggaa	aatgtctatg	tttaagggtat	169727347
acagtgtgat	gtcttgatac	acacatagat	aatggcctga	ttatcacagt	169727397
caagctaata	aacatatccg	tctcttttca	tagttacctt	tctgtgtatg	169727447
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actacagtct	ccttgctgtg	cattactcta	gagcttgttc	attctccata	169727547
gctgaaactc	tatacgcttt	ggccaacatc	tccggttattc	atthgtttat	169727597
gatccagctc	atccactaag	agtcgagctc	tgtgagggca	gggaattttg	169727647
cctggccttg	actacttccc	cagcacctgg	tgcagggcct	accacatggt	169727697
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aaagggtcca	gttctgtatc	caccatttcc	acgtccgtct	gtccatccac	169727897
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gttaattaag	atagtcattc	ggcttctcag	gctaccatcc	taagaacagc	169727997
cctcctcagt	tctggagctg	gcgggccatt	tggttcatct	ttgatttggt	169728047
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tccagtgtgc	tctgctccat	tcagccaagg	ggctcctctg	ggagggcatg	169728147
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ttccatggct	gtgttccccct	ccagcccttg	aggatccagg	actttctgga	169728247
aacatgattt	tggagttcac	tggatgctga	atccattacc	accaaattgt	169728297
gtgaccttgg	gaagtccaag	ggagtcactc	cttcgagcct	agcctccttt	169728347
tctgtaaaaa	gtgtgcaata	atgccaatac	cacaggttta	ttaaagtaac	169728397
gcacttaaaa	gtgttttagtg	tagggcttgt	gtcaaattaa	ggattcaaca	169728447
aatgatgggt	ggtttttgctt	ttatttggtt	ttgctgttta	tcagggctga	169728497
gcttaaatct	ccctcattgc	atcctaggca	aaccagggac	ctcccatgtc	169728547
ttgggaaacg	gctgagtga	tgaatcacc	cacgtgggcc	agaaaagagt	169728597
gagagatgtt	ttcaacatac	tctttgcctt	tcctttccct	acccgggatg	169728647
cgagtatcag	tgacaaagag	ttttattcta	gggagatgag	acaggagagc	169728697
tcacactgta	ttcattgagc	aagctcttca	tgtccagaac	ctttaaaatc	169728747
tcctgtacac	tcctgccccca	ctcccagccc	acactctcct	acggatgaaa	169728797
aaataagaag	gggcagtaaa	accttgtctt	tgtatagagt	ccaccggggg	169728847
ctcaacagag	gaggtggagg	aggcctcaga	cctggatgtc	gtggcagtca	169728897
ctgcaccctg	ggtcagagcc	ccctgaggac	accaccctgg	aagggagaag	169728947
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tgagcatctg	ctgtgcctgc	tggcctgtct	cacagggcac	atgaggtaaa	169729047
aagacatcag	gcacaggctc	ccccatgttc	attatatctg	gaaatttcag	169729097

FIG. 1E

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tctggccaag	ggagcttctg	agagcctgaa	ggtggccagt	atgtgactgg	169729147
aagtcaaggc	cacatggcac	agtgaccagc	gtgagactcc	tccaaatgtc	169729197
ctcagtgtaa	gggtggggaa	actgaggcca	gagcaaggaa	cacccttgag	169729247
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ggatggaggg	tagcctggcc	cctcctggaa	gtggtggcca	cccagcagat	169729347
ggctcttcat	tgccacacag	ccgatgactc	atagactaag	cccaagcaag	169729397
acccctcgcc	tcctcccttc	atctctgcac	tctccccttc	atggcctcac	169729447
ctctggggga	gactcccaag	tctctctctc	ttgccttggc	tcttttctta	169729497
agctccaggc	ctgcagggtga	ctccttggtc	ggactgtgaa	cttggttgaa	169729547
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gctacttggg	aggctgaggc	aggagaatcg	cttgaaccag	aatgtggagg	169729797
ttgcagttag	ccacaatcac	accactgcac	tccggcctgg	gcaacaagag	169729847
caaaactccg	tctcaaaaaa	aaagaagaaa	gaaagaaa	aggaaagaaa	169729897
aagaaagaaa	gaaagaaa	aagaaagaaa	gaaagaaa	aagaaagaaa	169729947
gaaagaaa	aagaaagaaa	ggaaagaaa	aaagaaagga	aagaaagga	169729997
agaaagaa	aaagaaagaa	tgtgcagcac	ccagcacaag	acctggcata	169730047
gagtaggggc	ctaacaaatg	gatggattga	tggaggatgg	gaggaaggac	169730097
cactagaccc	ttccagttga	atgtctttct	atagccccta	ctcaatcctt	169730147
gtaaaaccaa	aggagacctc	tctctcctga	ttttactctt	tctctttaca	169730197
tgtcccagtc	tgcagccttg	ttctttccat	ctgtcactcc	ctttccactc	169730247
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ctccacacca	ttccaaagag	atggcccatc	taaccatttg	accagaagc	169730397
cctactctta	gaaatctatt	ctaagcaaat	ctcacagct	gtgcatacgg	169730447
actttttatt	agagggtatt	attatgggtat	tattgcatta	tttataacag	169730497
tgaaaaactg	gaggcaatct	aagtgtcaat	ggaaaaaatt	gtgtattaaa	169730547
taaatttttg	ttcatctgtc	tgatggaaca	atattaaact	gttgaaaaat	169730597
tatttttagga	actaattaat	aacctagaga	aatgctattg	atatcgtatc	169730647
aagtaggaag	ccaggagaaa	aaaaactgta	tgatgaatgc	agttccagtc	169730697
tgtgggaata	gatgtgtatg	gaaaagtata	atagagaaga	aatacactga	169730747
aacattagtt	taggtttttag	cttggaattaa	aggtgagttt	ttaaagtttt	169730797
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tgtcaccagg	ctggagtgca	gtggcgcaat	ctcagctcac	tgcaacctct	169730897
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actacaggtg	ccggccacca	cagccagcta	atttttgtat	ttttagtaga	169730997
gacagggttt	cacaatgttt	tccaggatgg	tctccatctc	ctgaccttgt	169731047
gatccgcccc	cctcagcctc	ccaaagtgct	ggcattactg	ttgtgagcca	169731097
ccgtgccccg	cctaaagttc	ttcttgatgc	ttctctgcat	tttctgaatt	169731147
gtcttcaata	agcatccata	tttaatcaga	aaccacaaac	atatcattca	169731197
ctaaatacac	atcttcaatc	atacagttct	cagtatggga	acgcatgaaa	169731247
gttctgcttt	cactggcata	tactggctg	ttcatgccat	gtggcaatac	169731297
accccgaaact	accagatttg	gcactcccag	ccctaaccct	acagtctcag	169731347
acctcagccc	actccctagt	cctgtgtccc	cgtgaccaa	cccacacacg	169731397
cattctcctc	cagccaaaact	ggtccccaca	tgtttccaaa	ccagccttct	169731447
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ttgcattgta	gttggatatt	ttcaaaataa	aaagctgggg	aaataaagga	169731647
gcagtgtagt	atagtattta	agggcataaa	ttctgcatga	aattacctta	169731697

FIG. 1F

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tttcaagttc	cagtcccact	gcctattagt	tgggaagtag	taacattagg	169731747
caaggtactt	acttttctaag	actcagattc	ttcatcagta	aaatggggat	169731797
aatgaaaatc	ctgggtgtatt	tgttttcctac	agttgcccag	agaatggaat	169731847
gtatgtgtgt	aaagggcttg	gcgaagagtg	ccacacaccc	ttgatcatga	169731897
actgttagta	tcagtgtctaa	atatagaaat	caattttatta	accgtgactc	169731947
tattcatgat	atttctctacc	tccataagct	gtcatccct	ggacaactaa	169731997
gtaaagtgtc	acagcttttg	aaacttttct	tgcacggttc	tttttctgcc	169732047
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gcactgaacc	ccaaatgaga	atctcaaagg	gttcaagctg	tacttttaaag	169732197
aaaactcttc	tcatcaggac	caagtttgca	cttttgctga	tgcagccact	169732247
ctattcccat	gggcttccct	gagataaggc	atcaccttga	taaatttagct	169732297
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cagaaatacg	gcctctgttg	gtaggaccct	ttttccccag	gaattaagtt	169732547
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tggccaaaat	tgttaagtca	gggtaccct	agaaatgaag	caagagggga	169732647
gagagagagg	gaggtgaggc	agtcatcaat	caggcccaca	agcaagagag	169732697
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agagagaaca	gacattttgtg	aagcatcttt	tatgcaccgt	gctgagtact	169732847
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gaggtcagga	tctcctccca	cagctcagac	tgcttcaaac	cagcgggggt	169733347
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cagaggggaa	tgagggatca	tgaccagtgg	agccacagaa	aatttagtta	169733447
ggtgccaaaga	aggtatgaca	tggcctaagt	ttagttaacg	atagtaaaag	169733497
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gttcaatgag	ctgtgcctgg	aaagatcctg	gcattcaggt	aggtgttcaa	169734247
caaatgctag	cccttattac	cgttaggaat	gatagattct	tgcacagcaa	169734297

FIG. 1G

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tattgtagaa	agagtgtgac	tgtgttctcc	ccgacaatac	ttctgacacc	169734447
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aactgggtgt	cctacaattt	aattcaattc	tgacactaac	taccagaggt	169734547
tagctcagac	cccacagggt	aagaactcag	tcccacaaga	ctgcccccat	169734597
tcaaattgcc	gccaccaata	gggtgtcctg	actatccaca	cttccacctg	169734647
actgacagaa	cattcctaca	acctccccta	cacctccaga	taggatataa	169734697
taatttacta	gagtgatcca	cagaactcaa	aagaacattt	tacttactat	169734747
tgacacttac	tattacatgt	tgattacaga	ggatataact	cagaaacagg	169734797
cagacggaag	agacacacag	ggcaagggtat	gagggatgca	gggtggagggt	169734847
gcagagtttc	cgggcccctc	cccagcacct	tgacgtgttc	accaacccag	169734897
aagcccccca	aaccctatta	tttagggggt	tttatgaaga	tttactaca	169734947
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gccccctctc	cctctgcaga	ggttgccggg	tagagctgaa	ggttctaact	169735047
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cccctaaagg	acctctgtac	caaagaccaa	atatctttct	gtgagacaac	169735197
agagagttca	agcaccaaat	ataaagtgga	gaagcactag	atgatctcta	169735247
aagtcttact	ggcacttgga	gaacaagtgt	ttgtatttga	acatgcggaa	169735297
tcaaagggga	gttgagtaaa	aggggctcca	gaattgacac	aggaggagga	169735347
ctcagtgcag	caatctcatg	gggcgtgggg	acagaagaca	catcccaaag	169735397
cttcatgtgc	ctctcaagcc	cctgcttttg	ttttatgtgt	actggggata	169735447
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aaaatgtact	tatgtaagtg	gggagggaga	gttggtgcaa	gctaggaaga	169735697
agctgagttc	tgcatcagag	gtgacatgag	aaagaaccag	gaaagcactg	169735747
tggagaggag	gatgacccat	caactgactc	atctggggga	caggatctgg	169735797
gagccagagg	tgatggagaa	aactaaagcc	ctcctcctgg	ccccagtggt	169735847
gaatctgatg	gagcctgggtg	gagagcctca	catttctaca	gggcacgggtg	169735897
tgggaggggc	ctggaggcct	tgtctctgga	tgactagggc	tggcagttct	169735947
gaagcttttc	atcatcagga	cccttttaca	tgcttaaaaa	atattaagga	169735997
tcctaagagc	tttgggtgat	atgggttata	tctattaaca	gttaccattt	169736047
tagagattag	aactaagaat	ggtaaaaata	tttaatttga	atttacttat	169736097
tttaaaaata	taatacatcc	attagttgct	aacaaaaata	acatattttt	169736147
ttgaaaaaca	attatgcgtg	gcaaaaagta	tattgggaga	agtggatttg	169736197
ttttacattt	ttcacaaatc	tctaattgtc	agctttagaa	aggcacctag	169736247
aatctcattg	ctacctcggc	attcagactg	ttttaacaat	gcatgttaca	169736297
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aggcaaataa	tgtcttagta	ttattatgaa	cagagttttg	actttgcaag	169736397
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atactggata	ttctcacata	acagcctgtg	ctgccaatga	acaataaaat	169736647
aatgcagtt	tgcaatgccc	tgacccaagg	agtttaagat	aaattttgga	169736697
tgagttgttg	atttagagga	ggagctggta	tcacttcagt	aagtcacaga	169736747
aaataagatt	atattaatat	ttatattgca	ttattttaaa	tctgcataat	169736797
gctgagtctt	cactgtgaag	aaggaagccc	ctcaccaatga	ttagtgaggg	169736847
gtagggaggg	agaatggcaa	gaagacacca	agttccttgc	aggcaagcaa	169736897

FIG. 1H

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atagatacat	cataaaaagt	aagtgaatt	ccagtcctct	gagatcttca	169736947
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gatgagctga	agctctgtct	gagacctggc	actgttagga	tgtcccccag	169737047
ggttctttcc	acccagttc	tggagctcag	gtggcccctt	gcctctgaat	169737097
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ccagtcctta	ttgacaggag	gagaacatct	atctcaagca	aatgaaggtc	169737447
atcattaata	atztatggga	cagtgggggt	taggcatcct	cacatactaa	169737497
tttttctaga	ggaacatggc	cttttcccct	gcagggattg	tttgggtatt	169737547
ctgagtttct	gtgtatttta	gtcccaaatt	cagggtgcatg	gaaaccattg	169737597
acaaaataga	ccctttaaat	cagactccaa	gttgggactt	cctttcctat	169737647
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ccccaatggt	aatattttaat	attttgcaaa	actatagtac	aatattacaa	169737797
ttaagacttt	cttaaaaagac	tcacatgagg	acctttgaga	cttccctgac	169737847
cccagaagga	aaaaattcca	gggaatgatg	agctgcctgc	ctttggaagg	169737897
aagggtccacc	aggtaagaaa	ctggaggcca	cagggatacc	tctgggctcc	169737947
ctggctggaa	ttggcagatg	ctggtgcaga	tgccagggcc	tcccctcaga	169737997
actccaacct	gcatgagggc	acctgggttc	cagggatgca	acgcagctcc	169738047
ctgcctggcc	cctgtggctt	tgagtggctg	tgctccctcag	cccttcacag	169738097
ctggctctgc	ccctcagccc	ttcacagctg	gctctgcccc	tcagcccctc	169738147
acagctggct	ctgtccctca	gcccttcaca	gctggctctg	ctgagttctg	169738197
tggttgagat	gccaggctact	ggaacacaca	gctccaggct	tgagtcctag	169738247
cccctcactt	tacagatggc	cttggccagt	tacctcttac	agcctcagtt	169738297
tttcatagta	acttagatag	cacttaccat	atgtcactat	cctaggaaat	169738347
ttacataaaa	atttgtttca	tgccaaaact	ctatggaaaag	atactattat	169738397
cagtttctgt	ttgcaaacga	ggaaacaggc	acagaaaagg	tattcgtcca	169738447
aagtcaccca	gcttgtgaac	agcacagctg	gaatttgaac	ccaaacagtg	169738497
cacatcccaa	gtccacatac	ttagccactg	tctctgttg	cttctcatca	169738547
tctgtgaggc	aggttcagga	gtatctcatt	tttttttcca	aggcaacta	169738597
attagtacag	tgccctggcac	agaataaata	agcaccata	catgccagat	169738647
aacattgtca	gtataaacttc	tggaagtttc	tgagtattca	tgacttattc	169738697
tttttttttt	tttttttttt	ttttttttga	gacagagtct	tgctctgtta	169738747
cccaggctgg	agtgccgtgg	cgcgatctcg	gctcactgca	agctccgcct	169738797
cccgggttca	cgccattctt	ctgcctcagc	ctcctgagca	gctgggacta	169738847
caggcggcta	ccaccacgcc	cggctatgat	tttttctatt	tttttagtaga	169738897
gacaggggtt	caccgtgtta	gccaggatgg	tctcgatctc	ctgacctcgt	169738947
gatctgcccc	cctcggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	169738997
ccacgcccgg	ccgaactttt	cttgttacta	acaatagctc	tttttccctg	169739047
atcctctccc	tcctcctacc	tcccgccttc	caataggcct	cagtgtgtgt	169739097
tgttcccctc	tttgtgtcca	tgtgttttca	tcatttagct	cccacttata	169739147
agtgagaata	tacagtattt	agttttgtgt	ccctgtgtta	gtttgctaag	169739197
gataaatatt	ggcctccagc	tccatccatg	tccctgcaaa	ggacatgatc	169739247
tccttccttt	ttatggctgc	ataatattcc	atgacgtata	cgtaccacat	169739297
tttctttaat	aatgggtact	agacttaata	cctgggtgat	gaaataatct	169739347
gcacaacaaa	ctcccttgac	acaagtgtac	ctatgtaaca	aacctgaacg	169739397
tgtaccctgc	aacttaaaat	gaaagttaag	aaaaaacac	acacacaaaa	169739447
caaacaaaaa	aaactatagt	tgccatttta	aacacctatg	atgtgtcaaa	169739497

FIG. 11

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cattcccttca	gccctcccaa	ctatccagaa	agagtccttc	ttttatagat	169739547
gaaaaaacta	agaatcaaag	agatgaaatc	gggcagagta	gagacaggat	169739597
tcaaacccaa	gatctgcatc	ttggactcac	aacactggaa	gaaacttcag	169739647
acaccagcct	aacttcacac	ccagctcagg	actggccctg	ccgaatggtc	169739697
actcacctgc	tctgaaaatc	ctcgcgacag	gacgctcact	tcctacaccg	169739747
gtagttctct	ggctcgaggt	gtgccacaga	atccccctacg	cattgttaga	169739797
acacagaaca	ttgctacccc	caccccgtgc	agggcttctg	gcgtgggtggg	169739847
gctgggacag	gggcctgaga	gtgtgcattt	ctcacaagct	gccacaggat	169739897
cctgatgctg	ctggcccagg	gaccacactt	ggacagtcac	cgttctagga	169739947
aaacttcctg	gagtgggaat	ggtaaagggtg	atggcttctt	cccattttgc	169739997
cctttttcaa	tctgagatag	gcttccccag	caggctcagt	gccagagtc	169740047
ataccctcaa	tttaaataac	aaatcctcct	ctatatcatg	acctttcctc	169740097
cagagggttg	tttttcattt	tttgtttttt	gttttttttt	tgagacggag	169740147
tcttgttcta	tcaccaggct	ggagtgcagt	ggcacaatct	cggtcactg	169740197
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tagctgggac	cacaggtgcc	caccaccacg	cctgggcta	tttttgatt	169740297
tttagtagag	acggggtttc	accatgttag	ccaggatggt	cttgatctcc	169740347
tgacctcg	atccaccagc	ctcggcctcc	caaagtgc	ggattacagg	169740397
agtgagccac	cgcgcccg	ccagaggggt	ttttaagatt	gtgtgttctg	169740447
aatggcctgt	ctctgactgg	aacccaactc	cgtccccaga	cccacttcca	169740497
tctttttctg	tgagggggac	acactctttc	aacttttcca	aaatggcatc	169740547
taccatggct	tttctgatta	aaagcaaacg	aaacacaccc	ttcctataat	169740597
caaaaattta	gaaaagcagc	aaaaataaaa	aggggataag	gaagaaaaca	169740647
gaaattaacc	accatcccac	cgctaaaatt	ttgatgagtt	ctcatgtgtt	169740697
tccttgcagc	tgattgttgt	ttggcataca	tttattaata	ttggaattaa	169740747
aaatatatat	ggcactttat	atcctagaaa	atagtaatac	tgtaaagtgtg	169740797
ttctagaaat	gggagctgct	gttgctctta	ttagagaatt	caaacaaaga	169740847
aggggagctc	gctggggaca	gcttctgggg	gaggatgggt	accgctttga	169740897
gacaacaggg	agaactcagg	cacagaggtg	acgatcatcg	ttctctgtgg	169740947
ggcacatagt	gatgcagccg	gaaacaggta	tgagtgcagt	gagtggggac	169740997
aggtaataga	gagctagaac	tggctggcct	tatggcctcc	aaggcattgg	169741047
ggagccactg	tacattcttg	agcaggcaat	gacttcacaa	aaggatttct	169741097
caaagggttag	tcctgcaaca	gaagacagcg	tggattggac	tggaagagtg	169741147
ggagggcagg	tggagaaggc	attgtgctgc	aagtggggag	cagccctggg	169741197
ggcccagcca	gtcccctgtg	ccctgacaag	tggatgggca	tggatggatg	169741247
gctctacttc	tgggcccgcc	ggatggacag	gtactggttg	ctcttcacca	169741297
tggcgataat	gaggaggcca	ccggtcagca	ggaagggtgg	ccagaagagg	169741347
gagaagagga	gggcctgggg	cccgtagagg	cgctggaata	ggacgctggt	169741397
ttcgttcccc	cgaggtgcgg	agaagcagta	gaagacctgc	tgctcttgga	169741447
atttggtctc	gaccttctcc	acgtcggccc	gggcccgtctg	gtaattgtcc	169741497
acgctgcctg	ggatgtagga	gcactgtggg	gagaaacaag	agcagctgtg	169741547
ggcttggaaa	tccccatttc	ttagccaagg	gcttgatatg	gagtaaagaa	169741597
aaataccagc	ttttagtgctg	ggcccctgga	ttggagtcgg	ggctttggtc	169741647
taaagcttgg	caggccatgc	gctgtacagg	tctggagagc	acgctctcat	169741697
ttgtgtcttg	tgtgtggatg	gcggtgctgg	agctgctcgg	ggtacaggct	169741747
acacacctgg	gcgcagggtcc	taccttgag	tcctggctct	gcttggattg	169741797
gctgtagaat	ttttggcaaa	tttctcactc	tttctgagcc	ctgaagcttc	169741847
atcacttaaa	tgggtgaata	tcggtttcaa	aggatattat	gaaagaagga	169741897
cttcacacag	agctatctaa	ggaaaccagg	gagggacaca	ggccaagtgg	169741947
gctgtgtatt	tgaaatcgag	atcatgtgct	caattgccta	cagggtcat	169741997
gaagggtattg	tcagagggtg	aagcaggcaa	agcaatgaga	tgacagggtgc	169742047
ccactgactc	ttgccttggt	gccaggaaga	attgccaggg	tgtggcaggg	169742097

FIG. 1J

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctgtcaata	gggagagagc	cagctgcctc	cagacaggca	gtcaccactc	169742147
cctccaggca	atggatgtca	ggccatccag	aagatctata	atagccagac	169742197
ctccaacact	ttaagagaag	ttagaaacca	gatcacacct	gtaatcctaa	169742247
cactttggga	agccgaagg	gaaggatccc	ttgagcccag	gagttcgaga	169742297
ctagcctagg	caacatagca	agactttatc	tctacaaaaa	aagttaaaaa	169742347
ttatccaggt	gggcatgggtg	gtgtacctgt	agtcccagct	acacaggaga	169742397
ctgaggtggg	aggatcacct	gagcccagga	gttgagggt	gcagtgagct	169742447
atgatctcgc	aactacactc	caggtaaggc	aacaaagcga	gatccccattt	169742497
caaaaaaaaa	aaaaaagtaa	aatattagct	aaatttaaaa	ttgaaaacct	169742547
ttgcagtttc	aacctgtgta	cagcaaacaa	actatgttgg	caagcgggta	169742597
tttgacactg	ggatccaaag	gaaagaaaga	atgcattgaa	aagagttttg	169742647
tgccagcaga	gcatgacaca	catttaattc	tgacgttgat	tattgttatt	169742697
aggaactttc	tgccctgttc	agatgaggcc	agctggaaaag	tgatgcaaaag	169742747
cagtcataaa	gcgaggtttt	atctggtttt	atctctgttc	tgagctgcaa	169742797
gtgtggtgcc	cccactctgca	gcagaatacc	tacaggggccc	ccatagccca	169742847
ggtccctacc	cactctgcat	cactgagggc	gagaccaggg	aatgtgtgat	169742897
tccttcatgc	acttaatttt	gccctagtga	aatcatgtgc	aagatcaaaa	169742947
tgtgtaaaac	tgagacccaa	atggcaggtg	ttgagccaga	ttccttgcat	169742997
gcctcggcc	ctccctggat	ttatatgagg	tgccaccctg	gaagctgcct	169743047
gccctgagg	cattcactcc	agcaacacag	aggagggttg	cactgtagtt	169743097
ctcacagcct	gggaaatgca	gatgctgcac	tcagatctag	ggccccagcc	169743147
agccagggag	tagctgaggc	tggggagacg	ctggctcctc	aggaatctgg	169743197
cattcagagc	tgttggacac	tgccaggtcc	tcagtagcat	ataatccagc	169743247
atcctgagct	gacggtgagg	gggcctggcc	tgagtctctc	caatgcctct	169743297
gactgtgacc	ttggctaacc	tagctcctta	aatagcagtg	tggtctatga	169743347
gtcagacagg	cctgagttct	gagctgtgtg	accttggaac	ctgccacaac	169743397
ctcactgggc	cttgtaaaat	gggtttgtga	ggctacctgc	ctaggagaac	169743447
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cccagcacac	gataagaact	caaaaaagtg	gaagatgcta	ttattaataa	169743547
taatatgttt	tgacttatct	atgaaattgc	aacaacagct	ccttctttac	169743597
cttcttaaaa	agaggtctat	ggatgagctc	tgaagtagag	gcttctgtcc	169743647
atcctggggc	tagtgtatcc	tctgcctgct	cagggttcct	ctggatcttt	169743697
tatgctgggc	ctgtttggca	agacactggg	caggaattca	ctcttcatgg	169743747
ccaaacccag	aagccggggc	ctgaatgcat	cctttctctc	ctgtcctggg	169743797
tccagctaag	cctgagttat	ctgaatgata	tgaaaccaac	cagctttttc	169743847
ccaagccctg	cagtgtaaag	tccccaggac	agacaatggg	aggggaattta	169743897
gaactcacct	gctccaggct	aagactcaca	ggaaaagctg	agggcagact	169743947
atggccccta	ccttcagagt	tggaggggtg	gatgagagtc	ttcttgggcc	169743997
ttcacagtga	ttccagagga	caccagcta	gcctggagcc	ccagccactt	169744047
gaacccctat	gatggacata	ggcggaagga	gcagctagcc	cacaaccag	169744097
ctgcttgga	aaaacacgaa	gggcatttcc	actgcttcct	cccagctcct	169744147
gcagcctgct	atcagcacca	cacctggtca	agcctgggcg	gcaggggaga	169744197
ggacagcagt	ggctccagca	tgctccttcct	tcacatcctg	ctgacagttc	169744247
attcagggga	tgctcctctg	agctggcaat	ctcaggacca	gggaggcagc	169744297
ctgaaaacca	gcctgctctg	gcccataatca	ctcccggaga	atgttaccag	169744347
ttattgaaaa	tttgtttctt	gcattgggat	aaatcaagg	ctactgaatg	169744397
ccaacgcaga	ggcaggggtc	atgggttagga	gctgcctcca	gtggggccctg	169744447
agacctctct	ccaccgggtg	gggccgagtc	atactagcga	tgacagaaca	169744497
cctgaccatc	ctgcaactgcc	cagacccaact	tctcattgac	cttcagcact	169744547
ctcaagatcc	cccagcctcc	acgccccatc	ccaggcacc	tgccccttcc	169744597
cgtcccatca	gccatcaagt	ccggactgtc	agcatctccc	ctgctgcagg	169744647
ccacatcttg	gtcgtgagtg	cttgcctgcgg	ccttggtccc	tctgtctagt	169744697

FIG. 1K

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aactggaccc	acacacctgt	aggctccatc	ttcccagccc	aactctgaaa	169744747
ctctgatcat	gccctaaaga	ttcccattgc	caacagcaat	aatttccaac	169744797
cttagaatca	ccttgggagc	tccatgaatg	gatctctgac	cagagattcc	169744847
accttgatat	gtctagtgtt	ggaccctagt	tttgtttttt	aagactctta	169744897
cagggttcta	atgcatagcc	aaagttgaca	tatcttgaga	catacacact	169744947
cacattttaa	ttccatattg	tggtgatcaa	aggcctctgg	gaacagacct	169744997
tagtctgccc	tgacagcctt	ttccagctgc	atacacccca	tcatgggtca	169745047
ttttctgtag	tcagccctct	gatccctgtc	tcacactagc	ccttccctcc	169745097
gccatgcctc	gtcctatagg	catacccgct	tcctatatca	cctcattctc	169745147
tatgccttgc	atcctgcgcc	tgccctgatgt	taaaagccta	atccaagagc	169745197
ctttcttttt	tttttttttt	tttttgagat	ggagtttcac	tcttgttgcc	169745247
aggctggagt	gcaatgggtg	aatctcacca	agagcctttc	tgataccccc	169745297
atcattgtca	gctggaaaac	atccccctcc	tctaaccctt	gtaacttcc	169745347
ctgttcttct	ccccgggtgc	aattcttccc	tgctaggcac	tgttcatgca	169745397
tgagctctct	cctcttgagt	cctacaggct	tgacacagga	ggtgctcaat	169745447
ggctgttgaa	ttaataaatg	agaggaggaa	agaaggaaa	aagggaaggaa	169745497
ggaagggaag	aagggaaggga	gggagagagg	gagggaaggga	gggaggggaa	169745547
aaaaaagaaa	agaaagaagg	agggaagaaa	gggaaaaaag	aaggaaagaa	169745597
agaagggaag	aagagagaca	gaatatgggc	caactgatcg	ctttaggaaa	169745647
ggatatgggtg	gtgagttttg	tgttttggag	ggggaggggtg	ggatggtggg	169745697
atgcaaggat	ggaaaaacca	tctaaatgtt	tgtttatgga	ggttactcca	169745747
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tctggccctg	ggcctgggtcc	ctcatttgac	tgaggttgta	gaatgaaagt	169745847
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caagcgtggc	actttatata	cagcgtctct	gacttgataa	cagctcttca	169745947
aggtgcagca	ttagcattcc	actttacaag	ggtggaaact	gaggagggtga	169745997
gaggctaagt	ggcctgccta	tgtttacaca	gccagttagc	ggcagattca	169746047
aaccaggtc	gtgtgactc	caacacagaa	gagctagggc	tggctcagtc	169746097
tcattccagc	tgtgagacct	ggtcaagtgg	gttgatcttt	ctcagcctcg	169746147
gggacagggga	cagttaggaa	caggctcaca	cacctgacag	ggataaaggg	169746197
atgtgtcccc	atccctccag	ttcagtacct	gctggttctg	gtcccagagt	169746247
tcctccgtgt	ggtacagcac	agcccacctg	ccggcagctg	acacgttgac	169746297
ccacaggcat	gggtactggg	gcaccttctt	gcccttcagc	tcctcctggt	169746347
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tcttagacat	tatctatatg	actggttctc	aaccttggct	actcttgcaa	169746647
caacctgggg	agcttctaaa	aagattcccg	tgtccaagct	acacccacga	169746697
gcaagtgaat	cagaacttct	tgggtgggtt	ggcccaggcc	ctgggtgttt	169746747
tttcaaagct	ccctgatgtg	attctgacga	gcagccaaac	ctgagacttt	169746797
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cttcaccaga	ttaagagtcc	agcctggaat	cgcttcagcg	ttgtgaagag	169747047
tgaggctgca	gcaggccccg	gagaggctaa	caggttcatc	aacatattag	169747097
taaatcagtt	gtgcttcaac	tcccaggtat	cctgtgggag	acccattgcc	169747147
agtcagaagg	gggctgtcag	ctgctggaac	gtgccagag	cacaggtctg	169747197
agacttatcc	taaggacagg	ctgggggaac	tgagtgtctt	tggtccaaat	169747247
agaacacgaa	ttaggaattc	acagcttttc	cttaaaatct	caagtggttg	169747297

FIG. 1L

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atatgtcatg	gagcaagggc	atggaccatt	ctctgagatt	cctgagcaga	169747347
acttcagggg	agcagatgct	ggctcaatgc	agacacatca	gaaaacctca	169747397
aacatgaaat	gtatgttcag	tgaggcaagg	agctccccgt	ctcttgaggt	169747447
attcatcagg	aggctggatg	cccacctgac	agggaggcct	cagaggggag	169747497
agaattatgc	agctgagctg	taaacatctg	caattctctg	attcctcctg	169747547
ggatcaaact	tgcactggaa	cctttgctct	gattctttgc	tatttcttct	169747597
gagaagggca	tcatgtgtct	gttaccacca	cgctcctagat	catgtgtctg	169747647
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tgtagtaggt	gatgacggca	cacaccacca	tggttacacc	caggcaaagg	169747947
gctcgtgtct	ctccccgctt	ctgggccatc	accagcttct	tcaccatatt	169747997
cactgggggc	agtgatcatt	tctaggtcca	cagaagcaaa	cagaagtgag	169748047
atcagcccag	ttcacagggtg	atccacagaa	agagaggaca	ggtgagaggg	169748097
gaagggtactc	aactattaat	atcactcttg	tttatatttg	gagctttgca	169748147
acttccagaa	gtcttgcttt	ttggacccca	tgtaagcctt	ccctgtgcaa	169748197
ttgagaggca	attgcagata	aaagacctac	ggctcagaga	ggtaaagtga	169748247
cttgccctag	gtcacacagt	atgtaatagg	ctcagtaatg	gccccccaag	169748297
atgtctatgt	tctagtctct	ggaagctatc	aatgttactt	tatgtggcaa	169748347
tgactttgca	gaaatgatta	agataaaggc	tcttgaaggc	caggtgcggt	169748397
ggctcatgcc	tgaaatccca	gcactttcgg	agaccgaggt	gggcgggatca	169748447
tgaggtcagg	agatcaagac	catcctggct	aacatggtga	aaccccatct	169748497
ctactaaaaa	aaaaaaatac	aaaaaattag	ccgggtgtgg	tcgtgggagc	169748547
cagtagtccc	agctacaggg	gaggctgagg	caggagaatg	gcatgaaccc	169748597
aggaggcgga	gcttgccagt	agcagagatg	cgccactgca	ctccagcctg	169748647
ggcaacaaag	caagactccg	tcaaaaaaaa	aaacaaaaaa	caaaaaaaga	169748697
taaaggctct	tgaaatgggg	agacaatatt	ggattatcca	tgtagctcct	169748747
aaatgtaatc	ccaagggtcc	taataagagg	gaagtgaagg	gagattaaac	169748797
agatgagaaa	gctaagggtga	tatgaccagg	gagacagcaa	ttagagtgat	169748847
gtgaccacag	gccaaggagt	gcgtcagaag	ctggcggggg	caaggaacaa	169748897
tggctcatcc	cccacggcca	ctgcagggag	tgacgcctgc	agacaccttg	169748947
gtgatttttg	acttctggtg	aaatttctgt	cgtttgaggc	cgtcagggtt	169748997
atgatcattt	gctacaacag	tcataggtcc	catgcggtga	gagagcagta	169749047
catgtgcac	atccatgcac	ctccttccac	ggcacttatc	tcacagggat	169749097
acttgagta	tttctgccc	gaaacagttc	tgtggcaggg	ctagctgggc	169749147
cgggcacagg	cagggaagg	agaggagggc	cccagaaggc	agctgcagg	169749197
tgtcaggaga	ggcaggaggt	ttaccatatt	ccgggtgttt	ttttttttgt	169749247
aaggaacatt	cccctacttc	aagcaaaaga	agaagaaaga	aggcatcatg	169749297
gtggcctcag	cgactgcttt	cttatttctg	ggcttgaagc	cacctgggac	169749347
aaagcagaat	gggcacattc	tgctggtggt	tgctttcctt	ctctcctctt	169749397
tcttttaggca	gcaactcctt	gtttttcccc	tggaattga	ctccacccca	169749447
atgcaagcaa	agattccacc	ctcccctgct	aggctcctga	tcgctccccc	169749497
aggagtgtga	gtcttgacaa	agacttcaag	aaacagcccc	tcaatctatg	169749547
ccgcctggag	ccacagagat	gccagccat	ggcccccg	tgatttccca	169749597
tggttccgca	agctgtccta	gagcctctgg	taaatttatt	tgctgttggt	169749647
tttattttgt	taaagtaacc	agagtccatt	tctacaaaaa	ataccaggaa	169749697
gctatcaatg	taatcctcca	ttttagggga	aatttttaggg	gaatttaggg	169749747
gaaatttttag	ccagatatca	gggggacttt	attctccttg	ccaggtccct	169749797
aaagtaataa	acataattatg	gtttttgttt	gtttaattag	ccagtgtccg	169749847
ggtgacaggc	cttagtccaa	agagattttc	tgcaaagtg	tctattttct	169749897

FIG. 1M

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gctcaggcgt	ctcttaacta	ctagactgtt	tcaaatattc	agagattcct	169749947
gactccctcc	ccttagccag	gctgccctca	taccgggca	tctccgctaa	169749997
aggggaagaga	ccagggtcag	gcaccacgga	taccatcac	accttcccag	169750047
tgagctggtc	cacctccct	atcgatcggc	agagggtgaca	tccaatgaca	169750097
actttttctc	ctttatttgg	caccaggagg	tgagtttctc	ctgcattcta	169750147
atggagacat	tataaaagca	caagcaagca	gaaattgccc	ccgacaaaaga	169750197
gagatgtttt	attcaactct	ttttattcaa	tccttttcct	cctgttctgt	169750247
gatcttgtgg	gaatgggaga	gcccattgct	ttttctacct	ggcgtcagtt	169750297
gaacaagact	ctccatgtat	tcacaggtaa	agcaacagaa	tcacctggag	169750347
gtaagctaaa	agccccaaca	gcctgcttcc	ccaggacctg	caagggtcac	169750397
tggcacttgg	ccccaccca	gatactgtga	gacataaatc	atttgaagcc	169750447
aatgggaaat	cccattcttg	aagcctaggg	ctgagtggcc	acaacaaaagc	169750497
catttctctc	ctgggggaac	tgatcgcac	ctgtgggggc	ttcctgtggc	169750547
tccttcctgg	ctaatacagc	ccccccagcg	cccagggcc	tgccctcctc	169750597
tgctatttgg	cttctagtgc	cctctcaggg	ccctgggcac	tcctgaggct	169750647
ggatgaaggca	ggaacctggg	tttaccagtt	ttaggagctc	agaaggaaag	169750697
gaaaggagag	gcttccctgt	cacagagaag	tctggaaact	tggtttattc	169750747
aggtctgacc	cgtctctaata	ggtctgatga	gattgttgcc	tgactgagt	169750797
gagtttatag	agtcattgata	aatcctccta	agaccatgcg	tggtgttcag	169750847
tgtagatatg	acttcagcaa	gaagttagta	ttcagcatcc	aaaggagaga	169750897
cctttggcgg	gaggaaggat	gggaactgtc	aatatcccc	aaggacaga	169750947
aagaaaagga	agaagtgggt	ttcagctatc	ataggaggga	tttcagttag	169750997
actgtaagaa	gaacttccca	gttttgagca	tttctaaata	tctctgaagt	169751047
tccaggatat	atcttcccat	ttagaaaggt	cacttgagat	ctgggataga	169751097
ttcagagaag	atggagaagg	acaaagggaag	gcaggacttt	ggagtgtcct	169751147
gggtgacctg	atagctgggt	cgacatcctt	ttccttagaa	ggacaaggaa	169751197
tagagtacat	tggtgaacag	tttggtgggg	tggtggacagg	gcgattctga	169751247
ggtcctcaga	catggaatca	aatcctggct	ctgccactta	cacttagcaa	169751297
ccacatgact	gtgaaacgag	aacctgggt	cctgcctcag	agagttcagc	169751347
taaagatcaa	atgccatatt	gagtatcaga	catgtatcat	agcacctagc	169751397
cccaaatacag	ccccagtaa	atattagcta	ttactactaa	cgaaggaaac	169751447
cctgaaagtt	tgagacagaa	gtctggaccc	ctcttgatga	atctattttt	169751497
gtcccacctc	tctaccgggtg	acaagtgcc	gcattgggtg	taatctccag	169751547
gctgcagcct	tctggccact	ctgagaactg	ggacctagag	ggccaggggcg	169751597
cttactacca	gagtaacctg	gccactgtgc	caccctcccc	actggccacc	169751647
agaccacggg	ccctccatcc	agaaggacag	ccccgagagg	aaggaggtcc	169751697
tcctgcctgc	ctccctccct	gccccgtggc	aggctgcttt	cccctgtctc	169751747
cctccagccc	ggtcttcaga	gaaatcactt	cccaagtgt	ttcaggccc	169751797
gtactcacag	tcttcccggc	gtcctgtggg	cttgagcag	cagacagttt	169751847
ctttctgcct	ggacccccgc	ccccaccca	aaagaggcca	cagagcttca	169751897
gcagggaagtt	tgccctcccc	gcccgtctcc	agggaagcag	cttttggtcc	169751947
ccatctgggg	caagcctcca	tgcccaaca	tggtcaagtc	tgagcacaca	169751997
gcctggagac	acagactcgg	agagcaggta	cccagccctg	aggaaggcag	169752047
ctgttaccca	agccctgcac	ctccatcttc	ccagagtctc	gtgggaaaca	169752097
gatttcaaac	aacaacagac	agcaagactg	agaaactacg	aaagatcagc	169752147
ctgggtatatt	tggaaatatt	tcttcttctc	tctgtctctg	tggtgtggca	169752197
aagatgccag	aaataggaaa	tgattctcct	tttggtggca	tgagggaagg	169752247
tgaggttggg	ctggaggggg	tggtctgtgc	actagtcctt	ggcatatcca	169752297
cgctggagca	gctacagctc	cctgcctttg	gcatttacgt	gctgtgtgac	169752347
cctgagcaag	ttatggcacc	tctctggggc	tcagtttctt	tttttggttt	169752397
tggttttact	cccaaactta	tcgttaaagt	acctcagttt	tctcacttgt	169752447
gttactggca	tttttaaaac	ctactttgct	ttagggtagt	gatgggagtt	169752497

FIG. 1N

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agagacggtg	gggatttatg	gcaaggggag	agaactgact	ttttaaggac	169752547
caactgagct	gaagctggga	gtagtggag	ctccacaact	gcttccaacc	169752597
aggtccagg	acagtctgct	caccaggggc	cctcccagag	accgcgaaag	169752647
tacagagatt	tcttcctagc	aataagacaa	gtgaatgtca	gcatttgtag	169752697
gcaaaaaaca	tgcttttaga	tctctgcttc	ttcatctgta	aagtgggaagt	169752747
aaggattaaa	aatcagcaac	aaagggcagg	cacagtggcc	cacgcccata	169752797
atcccagcac	tttgggatgc	caaggtagat	ggattgctca	agcccaggag	169752847
tttgagacca	tcctgggcaa	catggcgaaa	ccccatctct	actaaaaata	169752897
caaaaattag	tcgggcatag	tggtgcatgc	ctgtggtccc	agctacttgg	169752947
gaggctgagg	caggagaatc	gcttgaacct	gggaggcgga	ggttgtagtg	169752997
agtcaagatt	gtgccactgc	actctagcct	gaacagagcg	agaccccgtc	169753047
tcaaaaaaaaa	aaaacaaata	tatatatata	tatatatatt	ttcaacaaaa	169753097
caacaaaaaac	aatcccagat	attggggcct	tcctaagtat	caggcgtggt	169753147
ggtagaaggc	agcttatctc	cacccttcac	ttgacccaag	aatcaaagaa	169753197
cctgaaactg	agacttgag	gcttgaagtc	actggtgcaa	ccctaggggc	169753247
cagaactaga	ttcgaagctg	gcccttcacg	atggcacagc	ttggtctgtc	169753297
tctgatgacc	ctggggctgc	tctgagacat	taaaaatcac	ctcgatcata	169753347
cagtaagctg	ccacctgagg	ctctggagg	cacctgagt	ttccccagcc	169753397
cccaggagg	tgggtgcagc	ctggccttcc	ctgctgagcg	agctcaccac	169753447
cttcctccct	cctgcctcca	gcaggcgoga	aatgaaggca	gccactcagg	169753497
cctccctgac	acactctcag	gcggtgagtg	cccttctcca	cccctttcct	169753547
aattgaatct	tattaacagg	agactacagt	gtctgtttaa	tgggcaccat	169753597
agcaccagag	ggtctaagac	cagcttcaga	ccttgcaggc	agattgacag	169753647
agggatgtag	gatctggaat	tcaatctcag	aagagcaatt	ttccaaggat	169753697
gatcctctgt	ccactcagaa	gcaggaaaag	tcctcctggg	gctaattccag	169753747
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tagcattctt	cccaagggaa	ggtgggaaca	aacagggaag	gggggccgtg	169753947
gggtcttctg	ctccccctaa	atgagccaca	accaaaaggc	attgacaagc	169753997
cctgtcctcg	aggggtttgt	ggtgaaaacc	caggctcttt	gctggctgcg	169754047
gggttggtg	tgacagatgg	ctacaggtgg	agggaagaa	aataacaatg	169754097
ctgcaacaat	aaatattgac	ggtttgcatt	agtacggggt	gtcagagatc	169754147
acaaaatata	ttctctgact	cttccaacag	cttcttaagg	tactagcaca	169754197
ataggctcac	aatagaccac	tgaggtggag	atttttctac	ccatttgata	169754247
gagggagtaa	ctgagcctca	gagaggtgaa	ataaattgcc	caagcaagtt	169754297
actttgcctc	tctaagcttc	agtttgtctg	tctctaaaa	agagataatt	169754347
atacctagcc	cctcagtgtt	tttgaggaa	gagagatcac	ctaagctacc	169754397
tgacacatag	tatggagatt	gtcctttcca	aagatgggtc	caccaaatac	169754447
ttcccattcc	atgtgccctt	ttcacagtgt	ggcatcaaca	ctccaccatc	169754497
aagaggggca	ttgatgtctc	ttcccccttc	ccctgggtgg	agcttcgtaa	169754547
gggcctcaat	agtagaatat	ggtagaagga	cacagcacga	tgttcaaggc	169754597
taagtcatag	acgggggctc	gagttcccc	cacacgctct	cgggacatgt	169754647
acctgggaac	cagccaccat	gttgtaggaa	gccgaggccc	cgtgctccag	169754697
ctgacagcct	cagctcagat	ctcagccaac	agctagcaaa	tctcaccggg	169754747
catgggagag	aacaagcctg	cagacagttc	cagccccccg	cctgccagcc	169754797
tcccagctga	ggcctcagag	aatgtggagc	agagacagcc	cacctgctct	169754847
gtgctctctc	tgaattccag	agccacaaaa	tccacgagaa	gaaaaaaact	169754897
aatgtttcat	gcccctgcgt	tttggggtaa	tttgttatgc	agtcatagta	169754947
actggaacac	acttgcaagt	gatttcaaag	ggggaactgt	acagttgctg	169754997
gtgatagtgg	taggattaaa	ccagtgaag	ttaaaacacc	tgagattgct	169755047
atatggagtg	ttacaggaga	gtttagaaat	gctttatcta	ggtagggcat	169755097

FIG. 10

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtggctcat	gcctgtaatc	ctagcacttt	tgcgagaccaa	ggcaggcggt	169755147
tcatttgagg	ccagtagttc	gagaccagcc	tggccaacat	ggcgaaaccc	169755197
cgtttctact	aaaaatacaa	aaatttagctg	ggcacgatgg	cagggtgccta	169755247
taatcccagc	tattctggha	agccgaggca	tgaaaatcac	ttgaatccag	169755297
gaggcgagg	tcgcagttag	ctgagattga	gccactgtac	tccagcctgg	169755347
gcgacagagt	gagactccat	ctaaaccaa	acaaacaaac	aaaaaaagt	169755397
ctttatctac	tcttaggtca	cacactatgg	cacaaatgga	atagaagggc	169755447
agtgatattg	gagggtat	ttgtttatga	agcacctact	atgtaccagg	169755497
gaatgaccac	atagatatgc	aatacatata	catacacata	cacatggaca	169755547
ttcctctcca	caatccccc	caaaaggcct	tggttctttct	gtaaaagcac	169755597
aaggcaaa	gattttccca	aggtcacgcc	cctagcgtgt	gatgtgatgg	169755647
agcctggagt	gcacctgtgc	ccgctgactc	cacagcccgt	ccctgcccct	169755697
ctgtcacc	atgactccct	tgggagcagt	tttcaagaga	cccaggttt	169755747
cttcatgatg	tctgcttcca	ctgctttcca	gacaccctca	gctcagtcgt	169755797
taccctctc	tggattatgc	acctgcttgt	ttattttaagt	ctttctgaat	169755847
caatatctcc	tctctgctga	cacttgggat	aataagtccc	ataaatcaaa	169755897
ttggcaactg	agtcttgagc	ccctgtgtgt	gcctctctga	gtgctgcagg	169755947
gatgggtgtt	agtcactctc	agtcctagcg	aagctgtgcg	ttcacagaca	169755997
tcccagcact	tgctatgcag	aggctctgga	tacaccactg	tgccgaggtg	169756047
actcagacac	ggtcccttca	ctgcagaaaa	gcgatgccag	atttccctcaa	169756097
ctacaaaaat	acagaacaga	aagtgaagaa	tgtgttttaa	atgagagaca	169756147
gtaataaaa	gcagaggaaa	taacggtggg	agggttttta	gtagagttga	169756197
gatgacaaa	tataacaaca	gcaaaagtaa	atgccgatat	tacaattaaa	169756247
tggtcacaca	acaagacacg	acaaaaaaca	tggtaaaagt	gttccctgct	169756297
gtgtagggtg	atactcactc	ctttttcctc	tgactctttt	caccataatt	169756347
tcccttgggc	tgatttttct	tcctttatcc	tgccatgctg	ttaacataat	169756397
tgtaagcacc	tgaaaaatcc	tctttgagag	aaagaggagc	ataaataaat	169756447
aaacagccct	gctgtctgtc	tgtgtggtaa	gggtgggttt	tttaaaaaaa	169756497
tgctttttcc	ttagtgcaca	tcaccccagc	tctgtgggaa	agtggcatga	169756547
tgtggaagt	cagggagaag	atgaggtaca	gtgttagcct	cactgctcag	169756597
agagagttgc	tgtaagagt	gtggtggcct	tttcaacaca	cataaaggaa	169756647
gcatgtgccc	tctccttcca	tggcacatgt	ctcctctgtc	cttgccctcc	169756697
ggccagctct	tcctcttcca	caggactccc	cgctggggcc	ttccctcgcc	169756747
cccagcccct	tagccactct	ccgcgcctcc	tgggccaggc	ggaagctctg	169756797
cttccgcatg	ctgggagcac	cgcatgcctc	ttctgcagaa	cacttccctcc	169756847
gcctgtaatt	taacatttat	tcatgtgcat	cctccattaa	catgtctcct	169756897
aacccaagg	taagctctct	aaaatcagg	actggaaccg	ttcttattca	169756947
ctgccgcac	tctagcgcca	ggaggaataa	acaaagatct	tgcggttttg	169756997
ttgtcatcgt	gctttgggtt	tcgggaaaaa	aaatctctcg	cttttttaca	169757047
taacagaata	ttataatcat	tttcccatgc	catgaaacat	ttttcttctt	169757097
taaattgata	tattatagtt	tcacagttgt	acataaaaaca	cttttctttc	169757147
ttgaatttta	attatagatt	cgggggatac	acgtgcagg	ttgttgtgag	169757197
ggtgtaatgc	gtgatgctga	cgtttgagct	tctattgatc	ccatcactga	169757247
tagagtgaac	atagtaccca	aaaagaagat	tttcagcctt	tgccccactc	169757297
cctccttcc	tttggagtcc	ccagtatcta	ttattcctgt	ctttatgtct	169757347
gtgtctaccc	ggggattagc	tcccacttag	aagtgagaac	atgtgatatt	169757397
tggttttctg	tttccgcatt	aatttgctta	gcataatggc	ctccagctgt	169757447
atccatcttg	ctgtaaaagga	catgatttca	tcctttgtta	tggtgtgtga	169757497
atattccaag	gtgtatacgt	agcacactgt	ctttatctaa	tctgctgttg	169757547
ttgggcacca	aggttggttc	cacacctttg	ctattgtgaa	tagtgcgga	169757597
ataaatgtac	aagtgcagg	ctctttatgg	tagaataact	tattttcctt	169757647
tgtgtatgca	tccagcagtg	ggattgctgg	gtcaaatgat	ggttctat	169757697

FIG. 1P

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttagttat	tt	aa	ca	ct	169757747
ttatattt	ac	ta	cc	tg	169757797
ccagcatc	tt	actt	aat	ct	169757847
cgaggtga	tct	gt	cat	at	169757897
atgctgag	ttt	at	aa	ca	169757947
ggttatgg	aag	at	aa	tg	169757997
ttaagaagg	tact	cct	tg	tag	169758047
cagagtcc	ctct	ggc	ttt	tac	169758097
ccacaccc	gcc	cat	ga	gt	169758147
gactgtat	ata	agt	cc	tg	169758197
tggcaacat	atag	gag	ca	at	169758247
cctgtccc	gcct	agc	ag	ag	169758297
agaaagct	tg	tg	aga	aa	169758347
ttgggacct	cga	gtt	ct	gt	169758397
gcagtggccc	tg	tg	tat	aa	169758447
gcaaaggtag	act	ga	cc	gt	169758497
gctcacact	gc	agc	ag	tc	169758547
ggagctgaaa	atcc	gt	tag	gt	169758597
acaaacaata	cac	ctt	ttg	tg	169758647
gcacaccact	ttag	ca	ggg	agg	169758697
aggaatgaag	gtg	gtt	acc	ac	169758747
aggggctcgc	aat	gag	gg	tc	169758797
atcagcagga	ga	gag	gtc	tg	169758847
ctcaggggaag	ga	atg	at	tc	169758897
tg	aa	at	at	at	169758947
agccaaatgt	gag	ac	agg	aa	169758997
aacatgtgtc	cat	ga	ttg	aa	169759047
gagacagaag	ct	ac	at	ga	169759097
ggttcagccc	ag	ga	at	at	169759147
ttcctgggtg	att	tc	att	tc	169759197
gcaattgggt	gaa	agt	aa	agt	169759247
aagaaccacg	aag	at	agg	ta	169759297
aagcctccag	gtag	tc	taa	at	169759347
ccagacctta	ga	tt	agt	ct	169759397
agaaaaagac	ttag	aag	tc	gt	169759447
cccacaaatg	aca	agg	caa	aa	169759497
tagtttg	tt	gt	ag	at	169759547
tgatgctata	ct	gt	ggt	ac	169759597
gtctgtttgt	cat	ct	aat	ct	169759647
gtgcctgaat	ac	gga	tt	gc	169759697
catccccctcc	cc	ct	ttt	tc	169759747
ccccttg	aa	at	tc	gg	169759797
tctat	gc	ct	ac	tc	169759847
gaatccaact	ggt	caa	gt	tc	169759897
tcagtttcca	ggg	ag	tg	tc	169759947
cttacataga	tat	ct	tg	tg	169759997
aaactaggta	ag	aag	gag	gg	169760047
caa	aga	gt	gaa	tag	169760097
ctcta	tt	aat	gg	gag	169760147
ctggtaagag	ct	tc	taa	ct	169760197
attccttgca	ta	tg	ag	tg	169760247
ttgaagatat	tt	cca	gt	gcc	169760297

FIG. 1Q

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cagccctcag	gagaccttga	gaatatgtgc	ccaaggtggt	cagggcacat	169760347
cttggtttta	tacatttttg	ggagacatca	atcaaataca	tttaagagat	169760397
ggcttggttc	agtccagaaa	ggtgggacaa	cttgaagagg	gggctgccag	169760447
gttataggta	gatttaaaca	ttttctgatt	ggcaattggt	tgaaagagtt	169760497
ataatctata	gaaagggatg	ttggggttat	aataagagggt	tgtggagact	169760547
gaagttttat	gatgcagatg	aagcctccag	gaagcaggct	tcagagagaa	169760597
tagattgtag	atgtttctta	tcagacttaa	ggtttgtggt	gacgttaaat	169760647
gctggtcagc	ttttcctgaa	atccaaaagg	gaggagggca	taatgaggca	169760697
tatctggacc	cctctttcca	tcatgacctg	aaccagtttt	tcaggttact	169760747
tttggaatgc	cctggtgaga	gaagggatcc	attcagatgg	ttgggaggac	169760797
cttaaaatth	tattttttggt	ttacgaatgt	ttgcacactt	tttgttattt	169760847
ccctagaata	aagactggac	ctccaagcca	aaattctagg	gcaaaagggt	169760897
tctacattht	taagattttg	gtatatatth	cacaccttht	accagaatac	169760947
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cacataatca	ccaattctta	acactcttaa	atttggaat	atgtgtctth	169761047
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tactagcaag	attgtacagt	cctthtatatg	ttcattggaa	gtgaaatatt	169761147
ttatttgtcc	caaattgtga	tcaggaataa	ataagaagcc	cctgtthtag	169761197
accattctaa	ctgtccttht	tctctggcaa	gattcagagg	cccaatcttc	169761247
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ttataaacag	gttattctgt	aaactthctt	tgctgagcca	tagaatgtca	169761397
gccctctaag	ggcccttaga	ggtcatctag	gcttggtgct	ggaaaagagg	169761447
gtcctgatcc	agacacctag	agtggattct	tggatctcac	gcaggaaaata	169761497
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tgctctgtat	ggccataaat	attacataat	tataagtgggt	ggtcagctta	169761847
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aatgcctggc	tgctcacttc	aatatggagt	cactctagtc	gcattthtatt	169761947
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ctthgtcctt	gagtaatggt	ttctattthac	aaagtaatatg	aggtaagtca	169762047
tagagaactt	gataatacag	aaaagtaaaa	aagggggaaa	ataaaaatca	169762097
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tgthctaaag	attgatacaa	atcctthctta	aaaacaaact	taggaatata	169762197
ctatacaatt	taaaatgtgt	tcttattthta	aatagaaaca	ctthccccat	169762247
ttatgtaata	ttgctthttca	aaataccagt	acttcatggc	cctataatatg	169762297
tccatcatat	agatatgtca	taaaatgtht	tactattthcc	tctthctgaga	169762347
cattthaagct	atthttccagg	thttgtctatt	ataaactact	ctccagtgat	169762397
gatctgttca	tgtcatctth	gctcacctct	ctgattattth	cctthccaaca	169762447
ggthctctaaa	agcatgatca	gagccaaaga	atatttagcca	ttaaaagcct	169762497
ctgcctcttc	tctthttctg	gaagcatagg	atctgataaa	atacacacct	169762547
ctgttctgtt	ggtgagccat	gtgagctcag	acaggtgcag	tgattthgcc	169762597
aaagccacat	agctthgtta	gaccagggt	tggaatttcag	gcctgtctcg	169762647
acagcctctc	gtgagtgcc	gaaccagcc	aggagtccat	gctthcctgac	169762697
tcctatgcc	tattcttgcc	ttattccttg	cattagtccg	thttcacact	169762747
gctataaaga	tactacccaa	gactgggtaa	thttataagca	ccagaggtht	169762797
aattgactca	cagthctgca	tggctaggga	ggcctcagga	aacttacaat	169762847
cacggaggaa	ggagaagggg	aagcaggcac	ctcttcacaa	ggtggcagga	169762897

FIG. 1R

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aaaagagaga	gaagcccagg	ggaaattacc	atttataaga	ccatcagatc	169762947
tcatgagaac	tcccttacta	tcatgagaac	agcatggggg	agacttcccc	169762997
catgatccaa	tcacccccca	ccaggtcctc	ccctcaacac	ctgggtatta	169763047
caattcaaga	tgagatttgg	gtggggacac	agagcctagc	catatcattc	169763097
ctctttgtag	aatatatttc	cactagttag	aactctcaat	tactgatcac	169763147
caacatgtgc	caagaactgt	gctaagtact	tgaactgcag	tatctcattt	169763197
gatacctgacc	ctttgaagtg	gttactgtgg	ttatccta	tttatagatg	169763247
gggacactga	ggtggaaaca	cagcatttct	tgtccaaggt	catgatgtta	169763297
gtaccttaga	gccgaaaccc	ccattccttc	ttgtctgagc	agtgtggtcc	169763347
aaacagaact	ttctgtggtg	gtggaaatgt	tctataactt	taagccattc	169763397
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aatccccctt	tgttacacat	taatgaaaat	gtatgtctgt	aatccataaa	169763847
taataagatt	gctcctgcaa	agctcaaggt	ctacatttac	actcagagt	169763897
aatattatta	tgaacttcac	tagaatcttc	tctgggagtt	ctcagcagag	169763947
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aaaggactga	tttttttaaaa	atcagcattt	aatctgggca	cgggtggctca	169764047
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tcatgccagg	ccctgcacta	ggcctggcac	atggctccct	acgggtactt	169764397
catagagttg	ctgtgacaca	aatcactaca	aactgggtgg	gtgggtttaa	169764447
gcaacagaaa	tgtatttcct	cacagctctg	gaggccagaa	gttcaaaatc	169764497
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atttagggcc	cacccaggta	atcaaagaag	agctcaagat	cctttgttta	169764747
ataatgtcta	caaagactct	ttttttccta	ataagatcat	attcaaggta	169764797
ccagaaattt	ggacatggac	atatcttttg	tggggacccc	attcaagtca	169764847
ctatactcat	cttattcaat	ctatataaca	actctgagag	ggaggtgaat	169764897
tagccacgat	ggactaactg	ccgcaaccac	cccaaggttt	taatggtatt	169764947
atacaataac	agggcatttc	taactcgtgg	gaagtccaat	atggatgttc	169764997
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ccttacatcc	cattgggtgag	gactagtcac	gtggtctgcc	cagctgcaag	169765247
ggagtctggg	aaatgtagcc	cctgaaggct	cagtggcttc	tcagcatgag	169765297
tatcacactc	ttgggatgga	ggcaggggga	aagcaccaca	ccttggttgg	169765347
cagctggcca	cggctgccac	agtgtcattc	atttacttat	tcttcattca	169765397
tgtaatcat	tatttcactc	atttttcaga	agagaacttt	gaggctcagg	169765447
aaagttaggt	gatttcactg	tcacagagca	tttaagtcac	agttcaatta	169765497

FIG. 1S

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttatattatta	aggggtgctg	aattaggtgc	ccctcgttca	cgtacgcctg	169765547
ttccatcttt	ggattttaacc	cactatatga	tttatctata	tgcgtgccag	169765597
gaacatgatt	ggtaagactg	atttacacca	cctcccaa	tgtactttgg	169765647
ctctcagttc	tcctccctct	ctcatttgtc	cctttggaga	atgggtagag	169765697
agagctagag	ctggaaaggc	aggaggcaga	gaggtagcag	agataagagc	169765747
cagaaaggga	gggggtgaca	gaaagataga	aagaaactcc	acgtgggcca	169765797
gatgtcctag	aaaagttttc	ctagtttgac	atgtatggga	ttttggagca	169765847
gattcagtta	ggaaagattc	aagagcagag	gaaaaatacg	agaaacataa	169765897
ctgagaattg	tgaacatgat	cttcttttat	gtgtttatgg	aaaagcagtg	169765947
actttcttct	gaatttgttt	aaagtccttt	tgtgtgctag	actgtacatc	169765997
ttgactatga	ccccatacag	agggatgggg	ctgtaggcag	catgaccaca	169766047
ggtcccatc	agccatggaa	aggccctggt	tactcctgtc	atctcctttt	169766097
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ggaggacagt	ggcttttgag	tgtataggtc	tccttcccaa	ggccaagtgc	169766197
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ggaagaaccg	aactatagtt	tgagctcagg	cctttacact	ccaaatgcca	169766347
gattcctcct	actacgccgg	ctttggttga	ggagctcttt	gaacacagtg	169766397
aagcaattaa	agagtgactc	ctgggtgtgga	gccacctgca	ctgcatacca	169766447
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gcttccact	tcagagcctg	tggggaagaa	gcagagtggg	gctgaggacc	169766547
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caagtcctct	agaggtccaa	gcttgaaact	cacactgtca	cttacaagca	169767247
tttgatttgt	ccaagcagat	catgaggcta	gccagactc	agtggggtaa	169767297
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acataaagat	gacttccggt	tctccagcac	ataaataaag	ctgcatggaa	169767547
catcttgatg	cagacaggta	tttctgtaat	tttgattgtt	tccttgggat	169767597
agactcccag	aagtggattc	aaccaggcat	aaatggtttt	tgatattctg	169767647
ataaatgaaa	gaaatatgga	ttaaataata	catatgccaa	attgccctgc	169767697
aaaattatgc	tgctttacct	ccagccacag	agagaaaagg	gattttcttt	169767747
tctttttttt	ttgagatgaa	gtcttgctct	gttgcccagg	gtggagtgca	169767797
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gccaggttaa	ttatttagtat	attttaattt	tttagtagag	acagggtttc	169767947
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accttggcct	cccaaagtgc	tgggattatc	agcctgagcc	gttgtgcccc	169768047
gctgagaaga	gggattctca	gcagcagcct	ggactcaggc	atccttgcat	169768097

FIG. 1T

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggcctcctgg	cttctcttga	ttcattttgt	tttccctggtg	cctcatgcca	169768147
ggaagctgga	atgaagcaca	actgggcaga	cccttccttg	ggcaaaagta	169768197
ttagtgctctg	tggtcattgt	tctctgacag	tcagttctgt	ggtacataac	169768247
gattgggttca	ggcccctgtg	atcttcttgt	ccatgtgaga	ctggatgagg	169768297
agtctcctgg	accagtgatg	gtaacacctg	caccctgagc	tggggagcag	169768347
gtggtatcac	agacgagctc	ccatcccagg	ctggctctca	cagtcccttt	169768397
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ttttacttcc	tcagttcctt	gtttgtctaa	aacaccagct	aactgataat	169768647
tgcatttata	gttactatgt	tttctctcta	gataacaagc	ttcattgaag	169768697
attttctaaa	aatatattggc	tctaataata	gggaaattgg	gatcaccatg	169768747
agcagtgagt	tggtggggaga	gagattgggg	gtacgtttat	ggaaaatcac	169768797
ggatccgtgg	gtctggaagt	taaaagagga	ctggcccttt	gagcaaataa	169768847
atgaagagta	agctggagag	cttgtgtgta	tagcatttga	gggcaagggc	169768897
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ggcacaagag	gtgagtggcc	tgttcaaggc	agcatggcct	ggaagacctt	169769147
cagcaggggc	cagtaagctt	actagccctc	ataccagga	aagcggttta	169769197
tttctcctcc	cacatcagca	tcctctcttt	cttccatagt	cggccccaga	169769247
aggttcacac	cctctccctc	ttaggtctct	tcctcattcc	gaggcctgga	169769297
gggtctttgc	acagagagga	atctgcttcc	tgcttagagc	ttggagaacc	169769347
ccaggccttc	cgcattcatg	aggtccaagg	ccaggcagga	ggcaaggcca	169769397
tggggccaaa	tctgtgccat	gagtgtcaac	aaagatccc	aaagctggag	169769447
accccaaata	aaaaccccaa	gagatgtggg	ggcatcagct	tcctcagact	169769497
caaccacagca	ccattcagca	gctttcaaga	ccaagaagtc	catactgttc	169769547
tcttgctcgc	aagatactca	gcctatgaaa	tcctcagcta	atggagtcct	169769597
cagagcagca	tggagccttg	ggggtgattt	tgaggaaactg	acactgggaa	169769647
acagcctagg	gtctgtggtg	cgcattggtg	gcagcagccc	ttgcctgtcc	169769697
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tgctagcggg	ggaagctgca	cgtgccatgg	ttaaggaccc	cagggctggg	169769797
tctgtgcccc	atcatgttgc	gtaacaagaa	agacaaggat	tgcaaggctg	169769847
ttcccacaac	taaggtgggt	gcagctgctg	ggaatgggag	aaacatttat	169769897
agatctaagg	atgggcagga	atttagaaag	gtaagggtac	tgtctgcctt	169769947
ggctgatact	tttatttcc	tctatccata	agtgtacaaa	aaaaattttt	169769997
ttaaatgcta	tgtaaagata	gggaggtttg	aaatttttac	caacaatccc	169770047
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tggaaagcat	tgccctacag	tatttataaa	tttcagaaca	catttttagga	169770197
tctgccttgt	gttggtttctg	tcattcatttt	acatttgcta	gtcttgactt	169770247
ccaaccaccc	aacacgcttc	ctgagggcag	ggcaaaactg	gacattattg	169770297
acagaacaag	tgcccaatct	gaaaatgtgt	cacattcctg	ctcaggttcc	169770347
aaacatgtca	tagcggattt	atgggtgtaa	attatactgt	ttgctcaaaa	169770397
cactacctca	tcttcagtg	cgtagtga	gtgaccttca	aactatgggtg	169770447
gcattcttagc	tataggggtg	tcctcaaaa	agcatgggct	ttgttgaaagc	169770497
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cctcaacttt	cccacctgta	acctgggcag	gataaatagtt	tttagcttct	169770597
agaacagatt	aaggggtgta	atatgagtgg	accatttaga	gtagctcatg	169770647
agataaaaact	caaattgctag	ctgttgtcat	ttggctgtta	atgttatctt	169770697

FIG. 1U

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaaatccac	agtagtcaat	agtggatggc	attaattgga	ggagggaatt	169770747
gtagataaa	agatgggtac	tagatgatag	aaggagattc	aaattattga	169770797
ctggcagaga	actgtttatg	gaagagttct	tggctcgtaa	gagcctcagt	169770847
tagatagagc	agggccattg	gaggagacc	agttgcttga	atgcaagctg	169770897
ttaatcctca	gggaatctcc	atggctcagc	cagatcctgg	tctgtaatct	169770947
gctctacca	cgggctgact	gaatgagctc	attgtcatgt	aattttaatag	169770997
gagccaggtg	tctgtgattt	ccaagagcgt	gagcagaatc	atcctgcacc	169771047
ccaaactagg	agggggaaaa	acacctcgca	gaagcacact	tgtccctagc	169771097
tgctttccat	gtgtcagaca	gagaggaaat	tgtccaattc	caaatgcatt	169771147
cctatccttc	tcgggcgatg	agagaaagta	attggcatag	tttgagtga	169771197
atgaaggtgg	tggtttgggg	tatttggtat	ttcttattgg	cataaaggaa	169771247
aacttgtatt	ttaaataccc	cctggcttct	tgaagaacgc	tttctctgct	169771297
gtcactgcgg	cccttgtaaa	aaaaaccta	gctgaaaaga	aaaaagaatg	169771347
cacagaaaa	gagcagcaga	gtgaaggctc	agtcaggcgg	tgggtctttt	169771397
tgctgtggta	tttgaaggaa	gaaggaaagt	gctggaggga	aagtcaggct	169771447
gctctgaaaa	catttcagtc	ctggaacacc	tggctctctaa	aggtgccatc	169771497
aatagcacac	actccccagg	cactgcaaag	tgggcaagca	ggtggggttt	169771547
gccagtgcgc	aaccctcagg	gctgcagagg	cgggaggggc	agtacgggga	169771597
gaggctctat	tctagggacc	caacaatcag	tgactgttca	tctccagact	169771647
cagcctgatt	actgatgcac	ccgagctcac	acagacctaa	gaggcagatc	169771697
caggatgtga	acactgggtc	ggctgatgct	caagactgtg	ccattcctct	169771747
gccctcatgc	catctcctga	agttgaaatc	tcaaacttgg	ctgtgtcacc	169771797
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tgccctcagg	gattagacct	ggggtcacaa	tgtgtgcaat	gtgggtgtga	169771947
actcatgtgt	ccagttgtct	tcagcaagcc	aacaagtcca	agtcacttct	169771997
ccatcccacg	gctttgctct	tgtaaccttg	gaacaaacag	taccccatga	169772047
ataagttcac	agaggcaggg	ttgtgcagta	gtgacacgca	caggctcttg	169772097
aggcagtctg	ggttccaatc	caccctgcc	accaggatcg	ccatgtaggg	169772147
ttgtgtggct	tatggcccgt	tccagagctc	caggccaaga	tgacaagggg	169772197
ggcccagcct	gtgccactct	actaagccat	ggtccctgga	attccaccga	169772247
cagcagggtg	tcttatgcca	gttctacaaa	gtattcacat	gggcgaggcc	169772297
tggccctgtg	tgctgctaag	agctgaggaa	tttggttgag	ttacataccc	169772347
tcagtgtgcc	tcagtgtctt	tccctgtaaa	atgggcaaca	taatgtattt	169772397
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tagatcagtg	cctaaagtct	ggtaaatact	caaaaacaag	tagtaaatat	169772497
ctaagaggct	agctgttagc	atttgactgg	catttttaag	tgtgttttgc	169772547
taaaggccaa	atctgaatcc	atagtgtttt	ccagttttat	atgattttgt	169772597
tctaagatcc	agtgtaaact	tcaggaatcc	tgggcaaagc	catcagagtg	169772647
ctgtgagccc	ctgccagcca	tcccgtctca	tcagcctgcc	ctgtgcaggg	169772697
cctcctgagt	ccccactca	ggggatcaca	gacacagtgc	agggcctcct	169772747
gggtccccc	ctcaggggat	tgcagacata	gcatgggtgc	acctgggtcc	169772797
cccacacagg	ggatcgagga	cacagtgaag	gtgtaccagg	tccccactc	169772847
aggagatcgc	agacacagtg	aagggtgtacc	aggtccccc	ctcaggagat	169772897
cgcagacaca	gtgcagggtc	acctgggtcc	cccatgcagg	gtattgcaga	169772947
cacagcatgg	gtgcaccggg	tccccacac	aggggatcgc	agacatagtg	169772997
caggggcacc	tgcattgtgt	tcttgacccc	tgaatggaa	taggaaggct	169773047
ggcttttttt	tttttctttt	ttagctcatc	ttctgttttg	gaccaattaa	169773097
aataaaggca	ttttaaatag	gccctgtgga	aagggaactg	aagttgtttc	169773147
cccaggctga	gctctgcacc	agaggtcagg	gcaggattaa	taaggaagct	169773197
ataaatacaa	acatggccc	atgtctctgt	gggcaatgtg	ctctgggttg	169773247
ggaggaaggg	agaaaattaa	attataatgg	gaaaatataa	attatttgga	169773297

FIG. 1V

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcaggataaa	aaggaagaaa	tcagtgggtgt	ctgaatgaat	ctcagtgaat	169773347
ctgtcagaag	agttgtgagg	ttggctcagt	gtaggtgcac	aaagatgcct	169773397
aggaggatgg	tggaacaggg	ccccacacag	acgcaggtga	aactccagag	169773447
tcctgccttt	tactgttagc	catgccccac	ctgtggaatt	cagtgcctatt	169773497
ctgagatgag	agatgattgt	attgttcaga	ttttctatca	aagtaaatat	169773547
agatgggtcac	ccacccagtg	aatgtgattt	tagcaccttc	cctggttcag	169773597
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gccctcaagg	agcaccacaga	catatcatgt	ggccaagatg	attgcatcca	169773697
agcgatgcta	attgattgca	gccttgcatg	gacctggcca	ggtgctacag	169773747
ctccttggtg	gcacttgctc	acttttattt	catggtacct	cctctccccg	169773797
ctagggggca	aatgtcatta	tgatgcccc	tttacagata	aggaagctga	169773847
ggttcaaaga	tatgagggga	cttcctcaca	gccaatatgt	ggcagagtca	169773897
tggttcaaac	ccaggggttc	gtaccttcaa	agaccaagtt	ctcatccact	169773947
gtgcagacaa	atgttctgac	agaggacagg	caggggacag	agagtgaag	169773997
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tctgtgtcaa	cctggaaggc	ttcttgagg	tgggtgatgtc	tagtggaatc	169774097
ctaaaggaaa	ggtcttaaat	gctacactaa	ggaatttgga	ttttatcaac	169774147
atTTTTTTT	TTTTTTgagc	agaattcaga	catgattata	ccccccaac	169774197
aaatctatat	ttaataagca	actccaaggt	gccagacaat	cttctaggtg	169774247
cagagagggt	tgcagacact	taatataaga	tgtagtctct	gccctttcct	169774297
agcttcagtc	tagctggaga	gatgaaacac	agatttattt	agaagataat	169774347
aagtaacagt	gtcaataaac	caatgccgag	cgccaaataa	aagtgcagtga	169774397
gtaggtgagt	ggaggtcaga	agagggggca	gtctgggctc	tgggttggtc	169774447
aaggaaggct	cccagggtag	atggagagag	agaggttgga	ggggttatgg	169774497
aagattccag	aaagggtgca	ctttgagggc	tggggcctag	tgtttggcag	169774547
tactagtctc	cccattgctta	gcagaggggc	tgcccatagc	aagtgcaggt	169774597
gcattgtgga	tgaatgaata	aatggtggac	ccaatgaaaa	gaaaggacaa	169774647
acgggttgga	gatgaggcat	aacaaacgga	ctgtgggttg	cagggatgtg	169774697
tgaccactga	gcctctaccc	agcccaccaa	tacagttag	ttgacttggt	169774747
gccccaccag	tcagatgacc	ttccttggtc	ttccattttt	ttttaggtca	169774797
tgcaggcaca	tctgtgggag	aagcaagtag	actctatagg	ggaaaagcag	169774847
gagaaaagat	gggagaagcc	ttgggtgaca	gaaggaggaa	gccttgaatg	169774897
tgagtccaac	atgttagctt	ttttcctgca	ggcaggaggc	agccattgag	169774947
gcctctggac	attcaagtag	caagaggtaa	atgatttggg	gagattgatc	169774997
tggccctcca	agggggaaa	aggaaaaatg	ctataggaga	gggtttcagg	169775047
aagtgcactc	tgctatttaa	aacgtgcaaa	ccctttcatc	cagaaatgtg	169775097
acttctggag	atttgcccca	agatcgtgga	acaagtgtga	agaaacaaaa	169775147
acaaacaaaa	accagcaaaa	tgccctcctg	aggtccttgc	agtgcgtgtc	169775197
tgggtggaga	aaactagaat	gcagctttct	ccagggtgtc	agtgcagagt	169775247
gagggagctt	gctttttctc	tgctgcctct	cacctcagg	cctctgcacc	169775297
agatgttccc	tctgcctgaa	atgcttttcc	ctgccaggtc	acatgggtca	169775347
atccttatct	ttgctgaaat	gcccccttct	cagcaagacc	ttccctgatc	169775397
accctattca	aattttcttc	tgtagcccca	ccccctcatt	tacaccacac	169775447
acctgccgcc	ccaggcacc	agcctcgtga	ctatctgaca	tacccttcat	169775497
tttatttggt	tatctcctgt	ccctctggaa	tggaaactgc	agtggcgatt	169775547
gttggtctgt	ttgcacacag	gcagtatcct	cagtgcctaaa	gcagcgctgg	169775597
gcgtagtaag	tgctcagtga	agatctgttg	aatgagtga	tgaagggaag	169775647
gaggaaggaa	tgatggtggg	taaatcggtg	agtgtgtggc	ctacacagga	169775697
cattagcttg	agcaccagag	agcagaccaa	ggcaggtcct	tggttcctgt	169775747
gccgacctgc	attgcggagg	actgcggggg	cttggttagat	gaagcctggc	169775797
ctgggtcttt	cagggccctc	tggtgggggc	caggaggcac	agctgcagtg	169775847
gacactttca	aactcatcgt	gcctggccct	ggcactcggg	gggctcattt	169775897

FIG. 1W

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctgggtcataa	tgacaccttt	ctaaacatag	ctacacaaaa	ttaaaatgtc	169775947
acagtgc aaa	tgctgcagct	gtgtggtact	agaaagaaca	ctaggtcttg	169775997
agtcagaaga	gatggactca	aatcccaa at	atcaagccat	ctctctcctg	169776047
ggtgtgacct	tgcaacttct	tgagcttcag	tttcttcac	tgcaagatgg	169776097
gaatggtacc	agtagctgtg	tcacagactg	ttgtgaaggc	cgaggaatta	169776147
agcacggcga	gagatttttg	gaagctgcaa	agcatcacac	attggacatg	169776197
actttttacac	ataaatatgt	aaaaatggtc	tcctgactgc	gtccttggct	169776247
tcctggcctg	ccacatggaa	tgagggcagg	gcctccctct	cagcacagac	169776297
tggtctcctc	caccagccca	gcctccctct	gtcacagtga	gaaggagcca	169776347
ttgacccact	cagaagccac	tcacttctct	cttacatggg	gaaatcagca	169776397
aaccacaacc	atztatgaat	cctgcatggt	cccctggtct	tgtccaactg	169776447
tatctgctac	cattcctgag	tggaagttaa	aaaaaaaaaa	aaaaaaaggc	169776497
agagcaagtt	gaagatggga	aagaggtgac	ctaaggtgac	aaagagtcaa	169776547
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tggagtgtca	ggagccctgc	cttaggaaga	actctgagac	tggctccaga	169776647
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cttatatcta	aggtaccctc	tgctgtgaga	catgcaatca	acccgatgaa	169776797
gcttttttagg	aaaaagtcta	ttgtttacatc	aagtttaacg	taaagctgcc	169776847
tccttacata	ttttaaggct	agcctaaagg	tttctctgca	catcgtgaac	169776897
tatagcaagt	agagatgtaa	acagactgta	gcctacactt	gtgccgatca	169776947
atgagttttg	gccaatcaaa	tgtggccaac	tgtttgaaac	atgttcaaac	169776997
agggcaa atg	ctgagctata	accaacccag	ctgtttctgt	ccctcacttc	169777047
tgttctctgt	gcatcacttt	cctttttctg	tccataaatc	tttttccacc	169777097
acgtggctgc	gctggagtct	ctgagtctac	tctggctcag	gaggctgccc	169777147
aattcaaa at	catttcattgc	tcaatttaaac	tctttcaaat	ttaattctgc	169777197
tgaagttttt	cttttatcac	tctattaatg	ctagatgttg	actattgaat	169777247
ggatccaagt	ttcaggaact	tacaaaatgt	gtgtgtgttt	gaaagaagga	169777297
aatcattact	tgctatccct	tctctatcaa	aatctacttg	agcttttcaa	169777347
ctaaaaattc	aatgcgtatt	ctttggggta	taaataaatg	tgctgaatct	169777397
acctgggctt	ttcccaactct	gtggcttctt	gtttctatgt	gtgatgcgaa	169777447
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cccacgagga	cgttggtttca	ttctttctga	gtgaggggat	ggggctgata	169777747
gaggaagccg	gggagggggt	tgccctgctga	tttcttcctg	cttttgtgtt	169777797
tgtgtttgcc	gtctgcctgt	ccctcacatt	tccctcagtg	tgttcctatc	169777847
cttg gatccc	taatcctaca	gcccaggact	ttctacaacg	gtactactga	169777897
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gtgagaacca	ctgcttagcc	tccccgggga	acatggctgg	ttccttcttt	169778097
ctgaacagtt	tcagaaggaa	catcaagtct	gcaacaagtc	ttctgacttc	169778147
atggtccaca	ccagtgtcag	gcccaccgtc	ctatcaaccc	tccaggctca	169778197
tgtctccaag	gagctctctg	atcattccct	ggtgtctctc	tcgtttgctg	169778247
tctgccccctc	tccccctggg	tatgagcgcc	acaggagttt	tttctatttt	169778297
gattatctct	ctatccctgg	ggcccagaag	tccctggcac	tcaataggtt	169778347
ctccagtgga	taaaggtgag	gacgaggtga	ctgggggagc	ctccctgtgg	169778397
agtacgtctc	ccatgccatg	aaattgccag	ccctgggaag	tcatgaggaa	169778447
gaacactcca	ggcagagggc	acagtcaccg	cacagctctc	aggcaggaa	169778497

FIG. 1X

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aggtttgcct	tgtggaaggc	tgctggggag	gagaggggag	cgggattgga	169778547
gaaggggtgct	ccaagagcca	gaaaagctag	tcaggaggcc	acagtgagg	169778597
gtgcaaacctc	agttccagga	gtgacaacaa	gccctctgga	aacctcccag	169778647
atgtcccaag	gtccaccctc	ggccactctc	cactctcctc	tctccttgct	169778697
gcccagcctc	actctgggaa	ggctggggag	gattcctaaa	tctggtctga	169778747
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ggtgggagag	agtccttcca	tcaaggaggc	aacgctatga	gggcagctca	169778847
gtgctcagcc	caccctctc	accctcatgg	gcgggccctc	aatcagaaac	169778897
cacaaattcc	aggctcagtc	agggaaggcc	tggatcctcc	acttccggct	169778947
cctcccggaa	gtcagcttaa	agaaatgatg	cggaggaatg	atcactgaag	169778997
agactcgtca	ttcctgggtca	aacctatgctg	gagggtcagg	gtttgttaac	169779047
tcagccttgt	cacagggggcc	ttcccttcca	cctcaatgct	acgacagagc	169779097
tgggtgttgaa	ggtctttgac	gaaaaagcta	catttctgca	tttaaaatgg	169779147
agaagatcag	gccactcagt	atctccgggtg	taagaagaca	tttggcaata	169779197
gtaacagcta	atTTTTTTTta	atacttaccg	taactcattt	tacctatttc	169779247
ctgcctagaa	aaaaaaaaaag	tgagctcac	tgccagcact	catttcttg	169779297
ggcaaacagg	aaataagtta	atcttaacaa	caaccctgta	aggtgcatag	169779347
ttttattatc	atccccattt	tacagatggg	gaaactgagg	cagtgaagtt	169779397
tagtaatttt	cccagattca	ctaaaatttc	taagatatgt	ttaacaaaga	169779447
aatccaccct	ttaactctta	aataatatcc	tctttttaaa	attaatgcta	169779497
gaatatgggtg	caatatcttt	ttaattgagt	gtatcttttg	ccccagcaat	169779547
tctaccacta	ggaactgagc	ctaaggaggt	ataaatattt	agttagaagg	169779597
atgcagtatt	atttagtatg	tggaactcaa	tgagaatctc	cactaagagg	169779647
ggttatTTTaa	ataaactgtg	atgcctccat	ataaatgtag	ctgttcaaaa	169779697
tgacatctgt	ttgtatgtac	caacataaaa	agacatctaa	atcatatatt	169779747
ttaacagaaa	agtccagaat	aatcacattt	ttgtaagcag	tcattttgtc	169779797
tgaggactgg	gatttctatt	gacttttaag	ttcttatttt	cacgtgtcta	169779847
tagtctctaa	tttttctaca	atgaacatgt	actacattta	taataagaaa	169779897
gaaactcaat	aaaagttatt	gagtaaaaga	ataagcagcc	agaaatctgt	169779947
ctcttctggg	gaatttagtga	gcctcttcc	ccctgagagt	agacgctatg	169779997
gctgctttgc	tggaaccctc	catttgtccc	aaatgctcca	ctctctgcca	169780047
atgggagacg	gggtctatat	tcacctggtc	ccttctgcgt	gaggccacct	169780097
tggcagaagt	cactgcccct	cccaaggcat	ctgaccctgc	aaaaccctct	169780147
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tacagatagt	aaaagctctg	ctgccctggc	cctggtttta	aatgccccct	169780247
ggtgttttct	ctatacgcca	ctgacacctt	gatcatgagt	caaatcacct	169780297
gaacatagag	tagcatctgc	ttcctgttga	gaatccaacg	aatacattta	169780347
cctgatttgc	tctctcttct	tttcttaagt	cctaacttcc	taaaataaaa	169780397
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ctgggcgcag	tggtcatg	ctgtaatccc	agcatttggg	gaggccaagg	169780747
tgggtggatc	acttgaggtc	aggagttaa	gaccagcctg	accaacatgg	169780797
agaaacccca	tctctactaa	aaatacaaaa	tttagctggg	caggggtggca	169780847
tgcacctgta	atcccagcta	ctggggaggc	tgaggcagga	aaattgcttg	169780897
aaccaggag	gtggagggtg	cagagctgag	actgcaccac	tgcgctccag	169780947
cctgggctac	aaagtgagac	tctgtctcaa	aaaaacaaaa	caaataccct	169780997
cttcccatca	tttctccagc	ccttgccctc	tcaagtcctc	ctgactgggt	169781047
tcccttggct	ccctgcttcc	ccctcagctc	gttatgtgtg	acttctgggt	169781097

FIG. 1Y

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aaaggttctt	aaaatacaat	tcagatccta	tccagtcccc	tactcaaaac	169781147
tgtgcccattg	ggatcaaaac	caaactctgc	aacattccat	tcagagcttt	169781197
aagagtactt	ttcagcctga	ggtctcctcc	tcaccactaa	cacccttccc	169781247
tccaatcaaa	ctgatccatt	gtacctacaa	aaagcccgtc	ccacctccta	169781297
gcctttgttc	acactgggtt	ctctgctgga	tcaccatccc	tccacatttc	169781347
caggtgtccc	tcaagactac	tcagcagcag	ctatccatac	aagtctctca	169781397
accctggctt	tcttgccctc	aagtaaccag	ttcatcctcc	ccagtcatat	169781447
agccctctat	ttacattttct	tttctggaag	ctatcatttt	tcacgtgccca	169781497
tttgagtggag	tgtcctcgct	aagacgatat	tttcttttgag	ggcagtaacc	169781547
tttcttatat	gtctctgtat	cccatgaact	tagcaaaaaa	caagggacag	169781597
aacaggtgca	aagtctacgt	ggttagtgaa	tttaacagat	cttcctaacg	169781647
tgtaaacgtc	ggtgtccagg	tgaatggaag	aagtgcagctg	agatagaggg	169781697
gacagacaga	gtcagtgctc	agtgtcgacc	tctgaaatgg	aaaaacatgg	169781747
ccagtcctta	ggagctgca	gaggccaaga	ccccagtgag	gtttgggggt	169781797
tccacagcag	aggaggagct	gtggaccaca	gcaggacccc	gatgccatca	169781847
gcaggggagg	aagtaatcag	agaggtggag	gaaggaagcc	aagggaagtc	169781897
aagtaaacac	caaataattcc	ctccccgtcc	aatgctgtga	cctgcataag	169781947
ccaccactcc	cccagtcctag	actctaccca	tggaagaagg	aagaagatag	169781997
aactctggat	ttgaatataa	ttctaaaata	accaaattta	tctgaaaatg	169782047
actaggctga	gttttctgct	tcaaccagaa	atggagcttg	gagtcagaaa	169782097
ttatgtgaaa	ttatagaaga	gaaagtcacc	atcttccatc	tctgagtcgt	169782147
atgatcattt	tagacataaa	attgtgcact	tacgatgtac	caagtgccta	169782197
atatacgtga	tctcatttca	ccagggaaac	tgtataattc	attgctttta	169782247
ctgacaaaat	tctgcaactg	aagaaggtgc	tgttaataat	tgcatgggga	169782297
cgcaggccctg	agcaggccat	gatttgtggc	tgtcctacat	ctgaccctca	169782347
cagtatccat	gggagaaggc	agcatgttta	tgccccctga	cagctgggga	169782397
aaccaacact	taaagtgatt	aagtcacaag	tccaaaataa	atgacagagc	169782447
tgcagttcaa	gcccaggtgg	tcatttacca	aaggccatgc	tcttttctact	169782497
ttgcatggga	ctgtgaccgc	tggctctacc	cagcttccca	gtgcgaccct	169782547
tccccgcccc	ctgtttctct	tctctggcca	acggaaacac	aatgagacca	169782597
catatgtaac	attacatttt	ttcatagcca	cattgaaaag	aaaaaggaac	169782647
caggtaaaat	ccattttta	atgatatttt	atttaaccca	atacagttga	169782697
ggcttgaaca	acacagggtt	gaactgtgtg	ggtccgctta	cacatggctt	169782747
ttgttcagtc	tctgccaccc	ctgagacagc	agggccagcc	cctcctcttc	169782797
cgcctcctcc	tcagcccaact	ctacatgaaa	acaaagagga	tgatgatctt	169782847
tttgatgatc	cacttttca	taataaatag	caaataatg	ttctcttctt	169782897
tatgatttct	cgtaataaca	ttttcttttc	tctagcctca	tttactgtaa	169782947
gaatacacga	tattcccagc	tactcaggaa	gctgaggcag	gagaatcact	169782997
tgaacctggg	aggccgagtt	tgcagtggagc	caaaatcgca	ccattgcact	169783047
ccagcctggg	caacaagagc	gaaactccaa	ctcaaaaaaa	aaaaaaataa	169783097
aaagaataca	gcgtataatg	catgtaacat	ataaaatatg	tgttaatcaa	169783147
ctgtctatgt	tatgggtaag	tcttccagtc	aacagcaggc	tattaggagt	169783197
taagtttctg	gggaatcaaa	ggttatacac	aggattttga	cggcatgggtg	169783247
gttggcactc	ctaactccca	catcgttcag	ggtcaactgt	atattcaaaa	169783297
tagtattcaa	aatgtaatca	ataggaaata	gtcattcatg	aaatactgcg	169783347
tcttcttctt	ctccccccca	accccacttc	tttgtattca	gtcttcgaag	169783397
tcagtgggta	ttttaacctt	acagcatatc	tcaattcaga	ttactcacac	169783447
tctaaggact	caatagccac	gtatggctgg	ggtctgccag	ccggacagcg	169783497
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ctgccatctg	gtggacagat	gttccttgct	tgaaaaacca	cctcgaagga	169783597
aagtatcagc	atcagggaca	atagcacagt	gggcctcagg	atcagctccc	169783647
cggaaaagagc	ttgggggttg	agggggtgtt	gttgctgagg	atgtccccag	169783697

FIG. 1Z

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agaagatgta	cagccatgga	gcaaactcaa	gtcacttatg	atgtcggcaa	169783747
accttggccg	tggtgcactc	ttgtttcctg	gttgcaaaag	gatttagcag	169783797
aaaatggtaa	ctctttttca	gaaggcatat	ttaaagcagc	tctttaaaaa	169783847
gcaggagttt	ctttcacacc	cagtttcgcc	atgtggttgt	gtgaagggtc	169783897
tctccccaga	aatcatgttg	tctctctttt	aattcacagt	aaaaaccttt	169783947
cttctgtctt	ggcccatatt	ggctgctata	acaaaatata	ataagctggc	169783997
cttatatacc	atagaaatgt	atttctcaca	tttctgaagg	ctgggaaatc	169784047
catgattaag	agttggtgtc	tggtgggagc	ctgctttctg	gttactgat	169784097
ggcgtcttct	tgctgtgtct	tcaccgaggg	gtagggacaa	ggcagctctc	169784147
tgcagcctct	tttctaaggg	cactagacct	atttgccatg	gttccagcct	169784197
catgaactaa	tcattttccca	aagtccccac	ctcccaacac	catcatcttc	169784247
atgattagat	ttcaatatat	gaatttgga	gaggatagaa	acattgagac	169784297
catagcatct	gccaagttgt	gtcttcctca	ctcaaattgg	gtagggtgtg	169784347
ttattccaga	gtttcagtga	accaagacgt	atttttccaa	tgtgaataat	169784397
taattaagaa	cacttgatta	gggtcaatgt	tattctggac	ttctgaatca	169784447
ctccacatt	tgaaggggag	ttttaaacac	aactttgtgt	gaataaaatg	169784497
atgtgtctgc	atctctccag	gaagcagtgt	ttggagctga	gatgacttgg	169784547
cagggagaag	aatccactgg	gacattcaat	aacttggcat	tgagagtgtt	169784597
ttcagcacca	tgctgtcctc	agaatagtgt	tagaatttat	ataaacacag	169784647
atgtgacttg	tgccctgaag	gagaatacag	tcttcccagg	agagacatgc	169784697
aaaaccatca	tagacaaaca	gcaagaaaac	agcatcaagg	atgtacatgc	169784747
accgggcaga	atgtaaactg	gatgtaaaac	caagcatttg	agggcaatga	169784797
gaaaggaact	tggttcttgt	ctcaactctg	ccaccacacag	ctgcgtgact	169784847
atgtctctgt	cacactgctt	ctcaggtctt	caactttatc	gtctcatact	169784897
gagcaagaga	cagtctggac	aatttatgct	tctagaatgg	ggagacaaga	169784947
agaaaagaaa	gatagatacc	caaggacttc	agtactggc	tcaggaagaa	169784997
ttactcagca	gtgagggggc	cagcatgagc	ccaggggcaa	gaagccggga	169785047
cttggaacag	gaaggaaagg	tgctcagctg	gctaacctag	aggaaagtga	169785097
ttggctggag	tgtctggttt	atctgtttca	gggatggtta	aagattgccc	169785147
cgtaaatagg	caaaaattgt	tgccttaaa	aacctagaat	ctaaaggggt	169785197
ctttgacata	atacagaata	acaggtccca	gagattattt	tacagaatgt	169785247
tagtacctca	tgatattaat	agatatataa	caaaacagac	ttctttgcca	169785297
caagacttct	cagtaccttt	aacattttat	gattttccca	aaggacaaa	169785347
agtatgcagc	atttcccaga	cttaaattta	actgtgaaca	cctgttatcc	169785397
tggggcaggc	ggattgcttg	agtccaggac	ttagagtcta	gcctgggcaa	169785447
catgacgaaa	ccctacctct	acaaaaaatc	caaaactcag	ctgagcatgg	169785497
tggcatgtgc	ctgtagtccc	agctgctcag	gaggttgagg	tgggaggact	169785547
gcttgagccc	aggaggtgga	agctgcagtg	agctatgttc	acaccactcc	169785597
actccagcct	ggacgacaga	gcacaaccct	gtctcaaaca	aacgaacttc	169785647
agtactggc	tcttaaaaaac	aaacaaaaac	ctcacagaac	cctcactgct	169785697
ctagtccctga	cttttttatag	atagggaaac	tgaaaagcta	agaggcaagt	169785747
ccaaattttca	caaagatagt	ggcagagcca	agattggatt	tttggctctt	169785797
tgactctaata	acccagtga	tttctttttc	tttcttggtt	tttttttttc	169785847
aattcctatt	atacactatt	taagacacac	aaacagataa	aaagactaat	169785897
acaagatata	catgcaccac	cacctagtgt	aagaaataaa	acatcaccaa	169785947
cacaataaaa	cccccttggt	tacctctctc	catttgctctc	cccaagggaa	169785997
cccatatcct	gaatttggtg	atataatata	tgaaaattct	ggtggaattt	169786047
caaataagtc	atattgtctt	tagaggatct	tcttagcata	tcccatgatg	169786097
tctaagttgt	ttcaaaaaca	aacaaaaaac	cccacttggc	ccagaagagc	169786147
aaagattaaa	agccagcctc	gaggatcccc	agcttggtcta	cctgcagctc	169786197
acagcatatt	ggaaaaaattt	tatgaatcgg	tgaacttttt	cattctcaaa	169786247
tgggctcttc	agatggttta	ttaattctgt	tagatgcggg	ggtgcgtctg	169786297

FIG. 1A2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gctttattct	gtgtggaatt	tttggatgaa	ttcactgcct	cacccccctcc	169786347
cctccacagg	ccagatgggg	agccgggtgc	tgtataaatg	tttaattgtg	169786397
gctcagtaaa	aatatattgct	ttcagtagct	ggaagctacc	aaacggaggt	169786447
agcgctgtct	actagagttg	ccagacttca	ttctaattgag	aacagaaata	169786497
aaggctgatt	aaatcaaatt	ccccatagtg	tagaaccact	taaataaatg	169786547
tttcatattg	tttgcattgat	gatttttaaaa	tgtaacagct	gcttatgtaa	169786597
ccattaggct	ggacataaat	cattcatcgc	catcactgcc	gtcaaagcag	169786647
cactggctct	ttttcttctg	ctgctgacat	ttccattact	agggagcttc	169786697
tcagacatgc	tcttgggttc	cctgtcctta	cccaagtgcg	gggtagcagg	169786747
agactgaggg	agggatgagg	aatgaagagc	aggcacgaag	ctgccattta	169786797
tcgaaggcct	actttgcaca	tgtcccattg	ggctggcatt	gtcacatttc	169786847
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tgaggcctat	ggaaatgaag	tgagctgccc	ccagagtagg	gaatacagcc	169786947
tgtatgtgaa	ctcaggtgtg	tctgagcctt	ggcaactcac	acaaggctgc	169786997
ccgagaacaa	aggggtgcac	ccaccccgag	gctccacaca	cctcaggcct	169787047
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agaatccttt	cggctggggc	taggggtggg	gcagggtaga	tactgatcca	169787147
aaggatttgg	actccttttc	ctagtccaaa	tccccatcgt	ctctcccctg	169787197
ttcactgtgt	cagcctcctg	actcccctgc	ctccattctt	gcccattctca	169787247
atccatcatt	caccagtag	cctgagcgat	cttttaaaaag	tagaagtcag	169787297
attatgtcat	tctcctgctc	aaaagcctcc	aatggcatcc	caccactctt	169787347
agaataaagc	ccaacctccc	accatggccc	tcaaggcctt	ttatgatatg	169787397
gccccctgcc	acattttgctc	attcgttcct	acccccactcc	tttatctggg	169787447
cgtcttggct	tctttctggg	cttcagacac	aataagctca	tgccctaccta	169787497
agggcctttg	cacatgctgg	aaccatcctc	ctcagaccct	tcccatgact	169787547
agcttcaacc	tgtcattcag	acctcagctc	caagtcaact	cctcagaaag	169787597
gccctccctg	taccctggat	tgaaaacagc	cctcccctgc	acacgctcca	169787647
caccatagct	ctgtttcatt	tactttacag	cactgaacac	tgtctctatt	169787697
tcttattttgc	tattttccta	tcccactata	atgtaagctc	catgacagat	169787747
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gtagtaagtg	ttcaataaact	attacttaaa	taaatgaatt	aacttgtctc	169787847
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aagagacaat	ttgattctga	aaaccaattc	ttacctccag	gctcaggccc	169787947
catgcaggag	tctttctcca	ggtggcctgg	ccatgcagggt	gatggcagtc	169787997
atgggggggag	gcagagagct	gctggagaaa	agctaggagg	ccctttgggg	169788047
ttccctgtat	tcataggaag	gaggatccct	tggtatccatg	cccccaactc	169788097
tgcaaagctg	agtctaaagg	atacacagaa	cacaagacat	ccttctgttg	169788147
ccaccaaagc	ttctgacacc	ccattttggc	tgagagagaga	cttgggcaca	169788197
gttcttgaat	tggctgcaac	tccaccctcc	ctcctgcaag	tgccctcttc	169788247
tctgccacgg	aagcctctgt	gccatgaaga	agaccaccag	acctctccag	169788297
gtgagggtctc	tgggtgtcag	tcccctacgc	cctagcaaga	tctggaaggc	169788347
aggagccacc	ttcctgcagg	caggcaagggt	cctggaaata	taagggtgtc	169788397
tgtggccatt	gaccatccta	ctgcttctctg	gtgacagaaa	atgttgcat	169788447
ggtggcagcc	atggggacag	cttctgtggt	cctgaattgc	agcactggtc	169788497
cgtggcatgc	tctaggactc	aggcattttc	tcagcagctt	ttgaggtagt	169788547
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ccagcctgggt	ggcgcgttct	ccagcccttc	cagtgatttg	gaagcggctg	169788647
gttccttgca	gtaagtccct	tcttctctga	accactgact	gatgcagagc	169788697
tcctccatgg	tagggactgg	ttctcttagg	cccctgtatc	ctcaggccca	169788747
gcatgcttgg	gaaaatgttt	gctaattgct	tgtgactcaa	aaggaatcac	169788797
acacacacac	acacacacac	acaaacacac	acacacagtt	tttaatatata	169788847
tcagtcatat	cagccccctg	aggcagctgc	tctgttccag	acaaaccctg	169788897

FIG. 1B2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttaataacat	tcttatacctc	tttgtttcat	tttccagctc	aatttggaag	169788947
cctgaccttg	tcttgctttg	cctcctactg	agagttaata	ctgggacata	169788997
ctgaagggcg	aaggcttgag	tcacaaagtc	acagggataa	atcctagatc	169789047
cagcagttac	tgtctacatg	acactaagca	gattagttgc	cactgggact	169789097
cagttttacc	agtctgcaaa	atggagctat	cagccgcata	tagcactagg	169789147
ggcgctgtga	gcatggaggg	cagtctgcac	acagaggctt	aacacagtgc	169789197
ctgagcttgc	aggtgcttgg	taaatggcaa	ttgctgtcag	cattgtctga	169789247
tttacctgaa	ggaacagttc	acactccacc	cagattttca	ctgcagcagc	169789297
caagaaagaa	cttctgggaa	agcatctgct	tccacccaac	tcccaagagg	169789347
ggttcgtaga	gggtggagct	gagagccgcg	ctcccctacc	agcctgcaga	169789397
aagaaagcca	tgttttggcc	tcagggagga	gaaacccaga	taaaaaccac	169789447
cccatgtgca	gcctttgctg	ggccacagga	ccagctccac	agggagaggg	169789497
aagaggcgcg	gccgcaggac	cagctccaca	gggagaggga	agaggcctcc	169789547
tttcaggggt	ggggagctga	gggcaagaca	gaccttttct	gactcagccc	169789597
aaggagggt	ggagcagggg	ctgcaggttc	cctgctttct	gctacaacac	169789647
agggtagggg	agagtcagtg	cctcccagag	cctctgcagg	ttcacctgcc	169789697
aaatggaaat	aatagcatcc	tcctctgcaa	gtcacagcct	taaagaggtg	169789747
ctgagagtca	ctagttagac	ccaagccagc	tgtttctggt	gcattaggac	169789797
tatcgaccag	aacccctgca	ttcccagccc	ctcctgcggc	ctccaacgac	169789847
caggagagaa	aggcgtaagg	tgtaagactc	tgggccaggt	tctggcagct	169789897
tatggccact	cttttcttgt	gtctggacag	gagcattata	gctacaacca	169789947
tctcatctaa	tcctcactgc	tgccctatga	ggcgggcatt	cttatttccc	169789997
cagttttgag	ataggcacag	aaaggggaag	cgacttccca	ggttcacatt	169790047
gccagtaagt	ggtaggacta	ggccctgaaa	agcacagcct	gccatgggga	169790097
agagaattca	tccccagctg	agaaccactg	tatcctcacc	caggggttcc	169790147
cagccaatgc	aaacagggac	gtgaccagtc	tccactggtc	ccctgtacca	169790197
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gcacctgtgg	ggtctgccac	ctcctccact	tccttttgag	aagctgctcc	169790297
cacccttctg	ccttcactct	aaaggaaggt	gtgctgccag	gcagctggag	169790347
ccagatggcc	cagagacaac	tcttcccatc	acacttctct	cagcatctga	169790397
gtccaacccc	caactccaga	gctggcaagc	tgcccagagc	ctcccagagg	169790447
aggcctatgg	gttaacttca	catttagtat	tttcagcata	tggtagaaag	169790497
aaaatagtgt	tgtttagatgt	acaagtgtga	tttccccttt	ccagaatgcc	169790547
ttcctctctc	ctccacgtgg	tgagctccta	ttcatacttc	aaaaccatgc	169790597
tcaactattc	cctgcccacc	tgtttccttc	cactcctccc	cttctaattgt	169790647
gggtgtgtcc	caggggacaac	atctgtgttc	ctcagtgaag	ttgagagaag	169790697
cctaaatttg	ctctacataa	gaaaaaagaa	taaggaggta	aactggaaac	169790747
gggaggaggc	tgggaaacgc	agggttggtg	gaaggacttg	tggggatgtc	169790797
gtggcagcca	cctgagggtg	aggaacgtga	cagccagagc	agctatgctt	169790847
aaggggcttt	gccacagtgc	gaaagatagg	atacaaggtc	ctcttcagtc	169790897
tctccatgaa	aaccacagtc	aaagtacaca	ttactcaccc	atgctttgga	169790947
gctagatttg	ggcttaatgc	tgtctttttt	tttttttatt	aaaacaatat	169790997
tccaggctga	tgggaattta	caacaaggaa	cataatatct	gacacaaaca	169791047
tagcctaagc	cttgatatatt	atcatcttat	atagcaagag	atcagggtgt	169791097
tgagaacttt	agagcagctc	cgttatgtcc	aggctctggg	cggtttctgg	169791147
gattctgtct	gctgtcccat	cagtactcac	ggggtggctg	tgtctgctac	169791197
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ttctatgtcc	ctgcccagct	gcgggtggtg	ctaggaaaga	aggtatctgg	169791397
ggtttgacag	tctgctgtga	gggctaaata	aaaagggcgt	gagaggctct	169791447
ccctctgctt	gtactcctct	gctgagggag	aacttgctgc	ttctggatac	169791497

FIG. 1C2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

caccctttcc	catcgtatga	tagcctgaag	tgttcagaac	ttttccatt	169791547
aaatcacttg	aaccgggag	gcagaggtg	cggtgagccg	agatcgccg	169791597
actgcactgc	agcctgggca	acagactgag	actctgtctc	aaaaaacaac	169791647
aaacaaaatt	gactttctcc	cactgagccc	aagggtgcttt	cctggtaact	169791697
tctctttgac	ccagtcctgc	ctcctgcac	ttccttcagc	aacctgttc	169791747
tccacatcag	ccaccagagg	gaacatctta	aaacacaggg	ctagactggg	169791797
catgccgttg	tctctgctaa	acccctcact	gagtgcccg	tgtctacagg	169791847
ataaaatcca	agcttcacgg	cattggaggc	tcaccacagt	cctacttcag	169791897
cctagtctct	cttccttatt	cttcccctac	atatatatgt	atatatatat	169791947
atattctcat	actgtagggtg	aagcaactga	aatgcttttt	attcccctga	169791997
cactttttgt	ttttcaaatt	ctgtgtgtac	aaatttatgg	gggacatctg	169792047
cagttttgtc	acatgcatag	atttttagtg	agtgaagtca	gggcttttag	169792097
ggtatccgtc	cccacaatga	cgtatattgt	acccatcaac	taattttctca	169792147
tcacccactc	ctccccaca	ccctcacctc	tccaagcctc	cattgtctat	169792197
tatccactc	tctacatcca	tgtatacagg	ttatttatct	cccatttatg	169792247
ggtgggaaca	tgtgatattt	gactttcttc	acctggcttg	tttcaacttaa	169792297
gataatgaat	tccagtttca	ttccagttgc	tgcaaaagac	gcctcacaga	169792347
attttaaatg	cttatatata	tacatacacc	ccctttgtat	ttgcctacac	169792397
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ctaattgctg	acatgaagca	gatgcaatac	acaaatccat	gaggtagacc	169792497
caggatattc	agatcctgac	cttgatctca	ggtttactta	ttagaccaca	169792547
gaccaaagac	tcccactgat	gtccccacag	atttcaccac	ttattcctct	169792597
tgtcccacac	actctactcc	aaagtcaccc	tcctctagag	gatagtcacc	169792647
tgagatactt	cagcgaccct	gctcaccttg	gaaaatcagg	tgacaggaat	169792697
catcagttaa	gcctgtggac	agtaagcatc	tgttggtctg	gatgggtgtg	169792747
tgggcggaag	gtaggaccca	ataggggctt	ttcatgggtc	cagcccaaaa	169792797
cctctgacca	tgccagtgca	tgctgaaggc	ccccattcca	tttatggctg	169792847
gggccacatg	atttacattt	actgtctcag	gttcttcttg	taacactgtc	169792897
ttctccaatt	tttgataagc	caatgccctc	gacacttcta	tgttttgttc	169792947
aaattgttct	acttgcccag	cattctcttc	caccttctcc	agctgtcaaa	169792997
ctcctacaca	cccttcaaag	cccagctcat	gggtcctctc	cctgacaatg	169793047
attccagctg	aaggagatga	cattgctact	tccttggtc	ctatcatacc	169793097
cggtatggct	agtgtagcac	ttaacattgc	ttggtgcttg	gtgacattcc	169793147
caaacgttca	tctgtcctca	aggatgggaa	cgctcctcatt	tcccatcatt	169793197
taggaagtgc	ttgctaaacc	aaagactcag	cccctcatca	ggaaccagtg	169793247
aaggacagag	ctgggaaaga	gttgtcatgg	gcatggggac	tatgtgaggt	169793297
catacgagc	tcctgggtca	cagaggtgac	ccacgaatgg	tagctgcagc	169793347
ggtgattgtt	gcccctacta	ttactgtgtt	attactgatc	tcagcccttc	169793397
tcttaagtga	ccccttcact	agtctcatag	atgagcggcc	agcctgcctc	169793447
ctggatccca	gaatttgctc	actgtccacg	acttcctgtc	atggctggga	169793497
acattcaggc	aggatctggt	cccactcgta	ggagggggaag	acaaagagtg	169793547
ccatccctcc	aggccctccc	ctcctgcagg	acagatcatc	ctgcctcact	169793597
ccatctgcag	atgctggcaa	agcacattcc	agccctcgcc	tctgaggcag	169793647
agaaacagat	tccaattaag	ggacttgccg	aaagtggctt	cattttacaa	169793697
gcaattgggt	tgtgaattga	agcgggcatt	aaagtgtaca	agctaggctg	169793747
gcgaggagc	cagaaggcct	tgctgccact	gcctgtcagg	agacatcttc	169793797
tccagttact	caacaattgt	gtggagtgtg	tgaggagtgc	gcacgaatcc	169793847
tgccctccat	ggctgatggt	ggaagaaatg	tccattcatt	cgtcttctta	169793897
aaaccaagga	tcaggctgct	ggagggcaca	ggatcatctc	tctcctgata	169793947
ggctttcccc	ttctctagcc	ttatgtgaga	atctggggga	ttttaggtgg	169793997
tggtgagaaa	atggggaaaag	aaatcacatt	cgttgacctc	tgcttacagc	169794047
tgggatcccc	acgcagctga	gaaatttcca	ggaaattacc	tgggttcaat	169794097

FIG. 1D2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggaggaactt	aacacttcaa	gctgtcacct	ggtgggaaaag	ggtgggtggca	169794147
agaagtaaca	agatctccca	aatggatcca	accagagaga	aggcctcctc	169794197
atttccttct	cagccaagcc	cacggggggc	ctggaagaca	gaggttgccg	169794247
gggcatccag	ggtctacacg	ggctgagctc	cccagacctg	gtgcaagggg	169794297
gccaggcatt	ccgcceaagg	ctctgccacc	taccagcag	gacccatgag	169794347
ctcagcacct	ttctggactt	gaggagatgg	gtctggtttt	ggccttttcc	169794397
ctccagactt	ccttctgtct	ctgcctctcc	actgacacct	gcctctgctg	169794447
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ctggtgggca	gattccatct	catggttgag	ctgtttggcc	tcaatggcat	169794547
tttatctctc	tctctctctg	tgtctctctc	tttctctttt	tttttttttc	169794597
acattgagcc	atcttcttac	agctgagggt	ttcatataaa	aaagcaagtt	169794647
gctggtttct	ctttaaaagt	agggcaatct	ggcagttctg	ggcttggtga	169794697
aaaacaattc	ggtagagcta	aaaacagggg	cttctgataa	agcctgagct	169794747
cccagcagcc	aaaggactta	tcacccca	aaaaaatccc	ttcctgcact	169794797
catttatatc	aacccctgcc	cctgcagaca	cgtattgtag	gttttaacta	169794847
gaaacaagag	gattagcttt	atttaaacag	caaaactgct	taaatgagat	169794897
aatatatgta	ttgggaatgg	tgccctggcac	ctaacctaat	ccttagttaa	169794947
ttaatattta	ttgagcaaat	catcttgatt	attaaaaaga	caggccagct	169794997
ggacacaata	agaatgctag	ctcagagctg	gcacttgagg	gttcggtaga	169795047
atattcatgg	cttgagggtg	ggggctatga	tacgagccca	tataatcaga	169795097
gaagttcaga	tgggaaatga	gaaccacttg	gtagcctaaa	ttcagagaaa	169795147
ctaaagccag	cctaacgctc	tgaagctggc	aagtgttcat	ttttggaaat	169795197
cagaaaagtga	tgatgtgtta	tcccaagaga	ctcctgggac	aagatgcagt	169795247
gagcagccat	tcacaaagac	taccttgaac	cgggctcttt	ccctacattt	169795297
tggtattata	tcctcgctac	aaccttctga	ggtggaaatt	aatatcccca	169795347
ttttacagat	gcataaaactg	tctagtgagg	gtgacagata	gtattgacat	169795397
gaccagaaga	ataaatataa	atgagataaa	ttctctctga	aggaaaggaa	169795447
tagggattta	caatgggtga	aaacaaagga	agtggggcct	ggtctaagcg	169795497
atcagggaat	gtctctttta	agaagtga	tttaagctga	ggtctaaagg	169795547
attagatgag	tgttaaatag	gaggagactg	ggcaggaggg	aaatcttctc	169795597
catggctctc	aatccagaca	cacaatttga	accacctgag	gttcacaaac	169795647
acaaagaaag	tatcgtgacc	tgatacagtc	ccagtcta	taaatcagta	169795697
gaaccaggt	gccgatgttt	ttgtttcttt	ttattttatt	tattactatt	169795747
ttttgagatg	gagtctcgct	ctgtcaccca	ggctggagta	cagtggcaca	169795797
atcttggctc	actgcaaccc	ctgcctcctg	ggttcgggcg	attctcctgc	169795847
ctcagtctcc	tgagtagctg	ggattacagg	cgcccaacat	cacacctggc	169795897
taattattct	attttttagta	gagatgggat	ttcaccatgt	tggtcaggct	169795947
ggtctcggac	ccctgacctc	agatgatccg	cccgcctcgg	caccccaaag	169795997
tgctgggatt	ataggcatga	gccactgtac	ctggctggta	ccaatgtttt	169796047
taaaagcttt	atggttgaac	cactgaaatg	aaacaaaaag	taaatccaaa	169796097
gctcatatac	tctagccaaa	caatagccat	taatagctat	taagtaaata	169796147
gaggagatgc	tcagtataaa	tgagcaggta	gatcatcagc	atccttgtca	169796197
tcaccactac	atctgcctcc	tccagatcat	ttggtagcca	agtccaatgt	169796247
caaaggaata	aaggaaatct	gcctctgttg	agggttgct	gtatgtcacg	169796297
cactatgcta	aattcttcac	tgtttcattt	aacgtttacc	gaaaccctta	169796347
ttattttaca	aatgaggacg	ttgaggctca	gaacaaggca	ccaatttacc	169796397
caggatttca	cagctcatcg	gggcagtggg	ggaccctctt	ccaggcccac	169796447
ctggctgtag	agaccacact	ctttcctgtc	tccatgcaga	ggggcctcct	169796497
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ttctttgttc	tgacctcaaa	aagagttttg	tagatttggtg	cccacttttc	169796597
tcatcacgct	taagaaaagt	gaccaaagct	gaaccaagct	atctaggttc	169796647
aaatgctgct	tactggctat	cgggcccaca	actatctgtg	gaacttcttt	169796697

FIG. 1E2.

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gagcctcaat	tttttgtttt	ctataacatg	ggaataatat	cagtacctcc	169796747
ctcataagtt	tcttatgaag	attaagtatg	tatgtgttaa	gattcatatt	169796797
aagtgagaat	tacgcatgta	cgcataatac	tacaagatta	agtatgtatg	169796847
taagcatata	tatatacaca	cacattttaga	atagagcatg	aaatatagcc	169796897
agtgttcagt	taatgtcaag	tattgtttaat	attatcctat	gggctggagt	169796947
gagaggcctc	ctgggggtgtt	tgctttccag	cccccaatcg	ggtggcatcc	169796997
tggatagggt	atcatcatac	ctctccccag	gagatcagga	tagggaattg	169797047
taagagcact	caggttggag	gtaggatgtg	caccaggga	gctcaggcag	169797097
gaagctgctg	tctttccttg	tctctgcaga	ctaggagcag	cagccaggga	169797147
cctgggttga	ctgggggacg	ggtcgggtgg	tggggtgaga	tgactatcac	169797197
acctcctcta	aaaacaagat	ggggcctggt	gcgctggctc	atgtctgtaa	169797247
tcccagcact	ttgggaggcc	gaggcggatg	gatcagttga	ggtcaggagt	169797297
ttgagaccag	cctggtcaac	atggtgaaac	cccatctcta	cttaaaatac	169797347
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aggctgaggc	aggagaatca	cttgaaccca	ggaaggaggag	gttgacagtga	169797447
gccaagggtcg	tgccactgaa	ctccagcctg	ggcgacagag	cgagactcca	169797497
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tcagtcagct	gccagcccac	ggccttggac	gccactgatg	tgagcctgtc	169797597
tgggctgggg	cagaaggggc	cagcgtcagg	tcctcagaca	atttcctcct	169797647
ggtagcctgg	cctgaggccc	acccaaccca	gggagccggc	cctggccagt	169797697
tgcagccagt	accacctggt	gcccagcaga	gggcagcaca	ggccacaggc	169797747
tggctttttc	taggtgaaat	tttgctacaa	cgtgtagcct	cttgggttcg	169797797
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cagacaccct	gcctcatccc	cagcttctga	ggtctttctg	gactctgtta	169797897
gcataatttca	gaggttcaact	gcaaaccaga	aacgggactt	tgagcttgtg	169797947
ttccagggca	gagggcccca	gcgcctgtag	gtgcagacag	cgcaccccca	169797997
acacccccga	gtttccgcct	cctcatctgg	agagcggggc	tggacaggat	169798047
ggttttttgg	gctttttttg	aagctcaccg	ggggccaagt	agctatttcc	169798097
ccttgccatt	ctctcccagg	aggagaaggc	ataagatgat	gctgaaggca	169798147
caggctctgg	aagaggacag	ggccatgctt	attcctgcct	tgttatgtga	169798197
ttatggacaa	gccttcaact	acccttggag	tgatggataa	aatccgtacc	169798247
ccacagggtt	acaggagaag	taagtgaggg	accacgtgca	cggagcccag	169798297
caagggtgctc	aggaaacaat	gctattgttt	ttcagggttac	atcttgggga	169798347
gaccacccag	aggaccttct	ttcaaggaca	ggtacctgga	atttctctcc	169798397
ctttcctaca	tcattcttct	gttttcatgc	gcagggaggc	caccactacc	169798447
tgagccagac	cactcccttc	ttaagccagg	gcctgcaaat	tgctgcagca	169798497
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aagcccttca	ttgaccaaga	ccctggcctc	gtcccaatcc	tctgtaaagt	169798597
acacatgcgt	cttcaatcca	ccctacagga	ctgtggagcc	gagaagatgt	169798647
ggggctgagc	atttaccttt	ccataagttc	tccagggggt	tctgaggccc	169798697
acagaatcaa	agagccactg	ctctaggcaa	tgagatagta	ttctaaaaca	169798747
attaatgaag	gcccattgat	gggacaggag	agccattatg	caaattccgg	169798797
ccatttcgagg	ttattaattt	gcaggagaga	ctgtagacgc	tgggtaaaga	169798847
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ggaatcccca	ggagggaaca	cggaaacccc	gagagctggc	tccgccccta	169799097
gagctgacct	cagtaaattct	gagatgaggc	cagagaaatt	gcatttcgac	169799147
aagttcccag	gtgttcgagc	gcagggtgtg	gcattgcattg	atgcatgtgt	169799197
actgtgtctc	gtgcccgtgc	atgtgtgtgt	tcccctgttt	tctgctttct	169799247
gcagtgtttt	agctcagact	tcctgattgg	ggtcccatcc	ttgaccagag	169799297

FIG. 1F2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gcccagtcta	gacctagaag	aatactaata	catgcccagc	tgtttagagc	169799347
ccacaagccc	tctcatggcc	cttgtttcca	ggccccataa	cagccccata	169799397
agtttgtttt	aaaagtgcac	ctgtagggga	gaaaagattt	ctttcctcat	169799447
ccatcactag	gttcatggct	gaggcacctg	taacaaaaga	cagactcaca	169799497
agagaaaagc	aaccaagtaa	tttaagtttt	gtgtgacatg	ggagccttga	169799547
gaaatgaaga	cccaaagaaa	caggacatc	tatgtgattt	tttgccaagt	169799597
ttgatgaaga	agcagataat	tgtggagaag	tataatcgga	aaatgggggt	169799647
atgatttgat	ggtaatgacc	taagtggcat	ttggaaggcc	tgtttcttca	169799697
gattcttctc	tgcgtctctg	catcttcata	gagaaggact	ttccttccct	169799747
gtgggtctag	ggaaggcacc	tcttaaata	aggtttcatg	accacttga	169799797
gaataaattc	aggaaattct	tttatggcct	gcttcagggg	agaagggcag	169799847
gagaagggtca	gagagcgacc	ttccttcttc	tggtggtttc	tcaaagtcca	169799897
aggtggcaga	tctgggacag	tgtgtcctga	actccctcac	aaccatggct	169799947
gtctgcaggc	cagtcaactca	acggccatga	atgtgtattg	acttgtgaga	169799997
tcctccaaac	aaaccttcaa	atctctgctc	acccccattt	gagagaccag	169800047
agatgagcca	agagacatga	agcaaccttc	ccaagggagc	agagccaaga	169800097
tttgaaccag	ggctgttggg	ccagtgaagc	agggcttgaa	atccagtgca	169800147
gcacaggtat	cttcctcagc	aggctcagag	acaggaggtg	gaccggccgg	169800197
agcagaacgg	accctcccct	tcaaagcggg	actctgccct	tgagccctga	169800247
gcagccactc	tggacagggt	ccacagagga	aggcaatcct	ccagcccgcc	169800297
atgcttcctc	tgacctcttc	cctctctcag	atggaaactgc	aagaagatcc	169800347
caaaccatcc	aggtttcccc	tacctctggg	cctttgcaca	gccttcagag	169800397
cagccctgag	gtgatctcct	gggccatcag	cacatgaccg	aacaaacctt	169800447
gggccaccaa	gctccttccc	cggagttagc	tctgaggcca	atcccccgat	169800497
ttcacaccat	tttaccattc	ctagccttgg	tccctccaca	gagccccctg	169800547
tttgctcccc	gctgtgcttc	ctggcaccag	cctcagtatt	tccagaaaca	169800597
catgcagaga	ctcaaggctt	ggaggactgg	ctttatcgag	aggctctgga	169800647
aggctctctg	acccagtggt	aatttggttc	tctccgtccc	tccagatgtt	169800697
actcaggccc	caaaccttgc	ccagccttgt	tagtggcttc	tccttcccac	169800747
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agcttttctc	gtcagccccct	tgggtcactg	cagacaaggc	tctagtgttc	169800847
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tcgtgtgggg	acagcagggc	acactggaga	ggtgaggagg	gtctcctgtc	169800947
ctaggctgag	gagctggccc	agaggcagcc	ctggcctcct	cgccactccc	169800997
ctgaaatcaa	ttcctcatct	gagggagctt	tctaaaataa	aattttaaaaa	169801047
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cactcgccca	gcccaccagc	ctcaccacac	tcccatagac	ttccccactc	169801197
ttgggtgggg	gtgggagggc	tacacgaagc	tctaaagtca	gcccgtgctc	169801247
tttctcaccc	ccaagccatt	gcacagcctg	ctccccttgg	ctagaacact	169801297
ccctgtatct	gacttcgaca	tgtttcttcc	tccaggaagc	cctccctgat	169801347
gccccattcc	ccctccaagg	actgcccagc	atctggagca	ccctgtaccg	169801397
agcggcacac	tgtggtgctg	gaaacatcct	tggtgtactc	ctctgtgcct	169801447
ggacactgca	tgtgggcctg	tccatacgcc	accagacccc	ctcgggtacc	169801497
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taagaatctg	ttgggaagaa	aatattccct	ctctatcaac	ttagatccta	169801597
gtggtagggt	ggagggttac	aatcaactg	acaatggaca	gattcacagg	169801647
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acctcccatc	ccccgttccc	tgaccccatg	ccaccagatg	caaataagaa	169801847
ggaaacttta	attccacaaa	ttgaagcatt	tatgaagctc	agcaggcaac	169801897

FIG. 1G2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tgtgtcagga	gagcctggca	caatgtgggg	gacgggggcg	gggggggtgcg	169802047
gagccttgga	ccacctgggtg	gtctcagctg	ccactccaca	cgtaggaggc	169802097
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taagacatag	acacacacac	aaaggtaaga	ccacgtgaag	acacggagaa	169802697
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cccaggggag	ggcccttgcc	tgacccccctc	ctaggggaga	gtcagagggg	169803097
ttccaggagc	atgaggatgc	tgagactaca	ggactacaga	tggagggtgt	169803147
ttcatggctg	agtgaagggg	tagaagccag	gcgagtatga	cacaggatcc	169803197
ctcttgacag	aattagaaca	cagagatctg	gagttcccat	catgccccta	169803247
ccacagattc	atgggtgaaa	cttgggcctc	atctgcttat	ctctgaagtg	169803297
cagaaattta	tagcacctac	ctccagggag	agttgggggt	taactgagat	169803347
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tggaaacaaac	gagaccctcg	agggcacaga	cacctcagag	catttggtacc	169803947
tctgggtgctg	gggaggggtg	gggggcccct	ctgtgagcct	ctggtgccc	169803997
tgtgcccacg	tgcagggttt	gtatctttgt	gcactttgta	cctctgtgtg	169804047
gcaggcgatc	aatggtgttt	ctatctcagc	cagggactca	ggtgagagac	169804097
tgagaagccc	aggaggcaag	aggcacctgc	agccctagag	cccactgcag	169804147
atthttccttg	agggccgtat	atccagaacc	atcccagggc	ttggcttttg	169804197
agagaaaatg	tagtcttaaa	gaatgaacaa	gtggggccggg	cgccgtggct	169804247
cacgcctgta	atcccagcac	tttgggaggt	cacgaggtca	gaagatggag	169804297
accatcctgg	ccaacacagt	gaagccccgt	ctgtactaaa	aatacaaaaa	169804347
aactagctgg	gcatggtggc	gggcacctgt	agtcctagct	actcgggagg	169804397
ctgaggcagg	agaatggcgt	gaaccaggga	ggccgagctt	gcagtgagcc	169804447
aagatcgtgc	cactgcactc	cagcctgggt	gacagagcga	gactccatct	169804497

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

caaaaaaaaaa	aaaaaaaaaaaa	aaaaagaatg	aacaactgct	gactactggt	169804547
tactacaata	agcatagctg	atactctatc	caggaagagg	aagccaccac	169804597
tcagtgcgcc	agccaagatt	gttctcaagc	ttttgtccgt	cccaaacctt	169804647
tatgaagcat	cctcaccac	tgacatgtgc	agtacttaag	acgggtgcacc	169804697
ctggagtcaa	atcccagctt	ggccccacat	gagctctgag	gcccttgagg	169804747
agacagcggt	gcaaagaccc	cagggggccga	gtaagcagag	gcctttcaga	169804797
gatcagagaa	aaggccacat	agctgggagc	ctttgtgaaa	ctggagaggt	169804847
catcggggcc	agatcctcag	gggcccagtg	gccctggaaa	ggaatctggt	169804897
cttgtagccta	gaaatggtgg	cattaattat	gtgactttgt	ccaagtcgct	169804947
gtcctattct	gagcttcagt	tttcttgtct	gcaaagggt	ctggaccaaa	169804997
ccatctagga	tccaccctga	ccctgggcct	tcatgtcagg	ttaaggagag	169805047
acagggcctc	gttctgcgtt	caggatgagt	ttctccaggg	aaaggccttc	169805097
tagctccgcc	ctgcctctgc	tggctctggg	gaccacgcag	gactctcaag	169805147
acactaggtc	actacactca	ggagtttccc	atctctgcca	agacaatctg	169805197
gagaagacat	caccccactt	gagtcatgag	atgtcctcaa	cagcaccttc	169805247
tagagtgcag	atctttttgc	tgctgtgaga	gaggggctta	tgagaaatga	169805297
tattgtcagt	gtagacatgt	ttcacacaga	ggagaactca	ggacagggga	169805347
caggaatgga	ggcaggaact	cgatctatta	gaacaagttt	tctgatgtgg	169805397
ttatgcatca	gggatgtaga	atcctgtgcc	ttcaggattt	ctgggattaa	169805447
agacaatccc	agaaaacagg	cctggacagg	tcttggaatc	agccccaggc	169805497
ctatttggtg	aggggattct	gggtgcctcg	taccacagagc	ctggtctaga	169805547
cagaaggagg	gagtggtgct	tgggtgggca	aaccacacct	ggccctttcc	169805597
cttccctcat	cctgtgggga	ggggctcagc	tagtgagggg	tcagagaggg	169805647
tctaaagcag	gggttccatg	gtaggcaccc	ctcttgtcca	gacccaaagg	169805697
tggtcttggt	caccaccgag	gcacagctga	gtgataagtt	gatgagcagc	169805747
tgtgttttgc	tgccacataa	aaatggctca	ttccccaccc	cccggccctg	169805797
aagtgtactat	ttactgagag	aggcaacctt	actgaacaaa	agcctgctat	169805847
ttattacacg	ttcgggtgaac	acccacacgt	tccaatgcat	ggggagggct	169805897
tggaacacaa	atcaaccttg	ggaaaaggag	gtgcagaggc	caagggtcaaa	169805947
accaattcat	ggaagtggga	agaaagcagg	gctggcctca	accttttcac	169805997
tattagagag	atggccatgt	aaagtagtga	gcctcctgtg	gaaggcatat	169806047
gcaagaacag	gtagaatgat	tatttcttag	gggttttgta	gaaaggattc	169806097
cttacacaca	aaggcacagg	attctacatc	cctggagcat	aactacatca	169806147
gaaaacttgt	tgtaatagat	tgagttcctg	ccaccactcc	tgctcctcgtc	169806197
ctgagttctc	ctctgtgtga	aacatgtcta	gactgacaat	gtcattctgc	169806247
ataagcccct	ctttcacagc	agcaaaaaga	tctgcaccct	agaagggtgt	169806297
gttgaggaca	tctcatgatg	caaatgaagc	agctgcttgc	aggagccatg	169806347
gaggggcttg	ggcagcaggc	ggggggtgcc	cacaggcatg	tgccccctca	169806397
gaaatgggca	ggaagtggaa	ggaagagaaa	gggagtcagg	cccagggcag	169806447
gggtgggggc	tgggtgtctg	tttctccaca	ctgccagggt	ctggtgagga	169806497
cctcccagggt	gggtgtaaat	ttgcaaacc	aaatggttaa	gaagatatata	169806547
ctgttaatgt	agaacatttt	gtatttaacc	agtaattgac	ttgattcata	169806597
actttaagta	tgcatagtgt	gtaagtggac	ctcagtatta	gcttcctatt	169806647
gccactggaa	caaatgacca	gaaacttcgt	ggcttcaaac	aacacacctt	169806697
tattatctga	catttctggg	ggtcagaaat	ccaaaatgac	tctccctggg	169806747
ctggatccgg	gtgttggcag	agctgcgttc	cttctggggg	cctgggggaa	169806797
gcctgtttcc	ttgccttttc	cagtgtctag	aggctgaccc	cattcttttg	169806847
ctcatggcct	cttcctcgt	cttcaaagcc	agcagtgttg	ggccgagtct	169806897
ttctcaggct	gtacacctg	ttctctctct	cgtgcctccc	tatgtcattt	169806947
gtcaagaccc	agaggattcc	acaggcctac	ccagataacc	cggggtaatc	169806997
ttcccacttt	aaagccagct	gattgacaac	cttaatccca	tccacaacct	169807047
ctgtgaccct	ctgcatgtga	aggtaacata	ctcacaggca	tagggatgag	169807097

FIG. 112

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gatgcggatg	tcttttagagg	gccactgttt	tgcctaccac	agcttccatt	169807147
tggattcttg	tcccaacccc	tacaaaagtg	aggcatataa	tttggtgaat	169807197
tctgaataaa	atgctaccag	tgtctacaaa	ttatatTTTT	tcttttttta	169807247
aaaaaaaaaa	aaaaccttct	tccccaagtc	tggtttcctt	tagacctcag	169807297
gactaagtac	ctgagaagat	ctgcgggcaa	ggatagtatt	gtgattatct	169807347
ggacagaatg	gcattttctga	ttgacattgt	tgcattactt	tggctccaga	169807397
tgcagtggcc	tgagagcaga	aataaaaacc	cctccagctg	cctcagccca	169807447
ccctttgcag	agggagaatt	gagttggggc	cacacggtgg	gaagcactaa	169807497
tcctcagtc	acacaaaacc	tcgctttcca	attattttga	tggaggtcat	169807547
gaaagagcac	tcagctaggc	attattaatc	cattttttca	attcagcaag	169807597
tattgattga	gcagctaccc	tgtgccagtg	aggttgaaa	cacaagggtg	169807647
atgaacaagg	tacatgtgcc	tggccgtcac	tggccagctc	tgtcactgca	169807697
ggcgggaact	ttccttcctg	tggggcccag	ggttttataa	tcacatgagc	169807747
acctacacat	ccggtacaga	gccccgttaa	gggggcaggg	cctggcctgc	169807797
ctccttctac	gttgtctcca	attgcctcag	atgcatgtgg	atgctcattc	169807847
gttgaatgaa	tgaatgaata	gatggctcct	gctgatcgga	gagtcaatga	169807897
ctgtatcagg	ccaactggaa	aagcagaggg	caagccaaga	gaagacttgg	169807947
acagtgcctg	ccaccatggc	tgcgagttag	aggactgcgg	atcccagaggt	169807997
ggattcctgg	ggtggcagct	actgtttaca	aagcactttg	ctgggtattta	169808047
ttaggccacg	cagttccctt	ccaagtttcc	tcctgttatc	attctcactt	169808097
tgcaaatgaa	gaaactgagg	tactgggata	aaacttgctg	aagaccacat	169808147
ggctagtaag	tgtcagagct	tggatgtgaa	cctgaatgct	cgctgaggag	169808197
agagcagctc	gcctccttcc	ctcacaggca	catagtcagc	cttcccgaat	169808247
ttcatccggc	aacaattaac	ctctcccttc	tcactatccc	ccgctccctt	169808297
tccatctgta	gagatctcct	tggatctaaa	ttatcagggc	ctaaagccag	169808347
gccatactac	cgagggttaa	gaaggtgaaa	gggctgcatt	gggcaacatt	169808397
gttccttcaa	tcctaactct	ttaatcctaa	ttcatcactg	cacactctgc	169808447
tccttccctt	gggtgaagac	agtttgattt	gccagtatc	cagaaagttt	169808497
gtgctaagac	aagggaattt	gccacatggc	tctctgtttc	attcagtcct	169808547
tcataagcat	gcagcctgac	ctggagaaac	tgacagtgta	aaatgcatgg	169808597
agcagctcct	gtccctctct	ttcctaccct	tgagcactct	ctaagcagta	169808647
gctggccgat	acagtcgccc	aggaagtctc	cctgtagctc	ggccgtcagt	169808697
cattaccctc	actggcagca	cgggacagag	aacgggatat	gttctcccct	169808747
tttattttgt	gtggtgagac	ttggaaaact	ctgcgcctag	aaaaatccat	169808797
ttctgaagg	tgtgtctatt	gagtagtgca	gtgagactgg	gtttgaagg	169808847
attggactct	tacataggct	atgtgaacgt	gggcaaattg	catcttctct	169808897
ttgagaagtc	tgagctcaag	tcttgctttg	agttattttg	gtactaacct	169808947
ttgaccttgc	tgacaaaaaa	aaaaaaaaat	acagtgtctg	gtacagctcc	169808997
tgacactcca	cctcccctac	ttctttttta	gatacagggt	cttgctctgt	169809047
tgcccaggct	aaagtacatt	ggtgcaatca	tagctcactg	cagccttgaa	169809097
cttctgcctc	aaacaatcct	cccacctcag	cctcacgagt	aggtgggact	169809147
acaggtgtac	tagtatgccc	agctattttt	atttatttat	tttgctgtcc	169809197
atcctgatct	ggaactcctg	ggctcaagca	atcctcctgc	ctcggcctcc	169809247
caaaatgctg	ggattacagg	catgaggcac	tgcaccagc	ctcaacttct	169809297
cccacttcta	tcttctcccc	agttctaggt	gaggcaggac	ctgccacatg	169809347
tccaaatctc	catctgtccc	cagcactcta	ctaaatggct	taactgggcc	169809397
ctcacgtccc	tccctgggga	tcctgtgaaa	agacttgtga	acctgctcca	169809447
ggtcctgact	gaaccaaatt	tcctctctct	acatgccgaa	agagtaatag	169809497
gtgttctctg	attaagcaat	ggcttaattt	aggtttattt	tcattcttca	169809547
gatattctct	ccatttgatg	tttcaccccc	ttgaagctca	ggtgaatctc	169809597
catcttctta	ttcatctgaa	tattcctcat	gcctggcatc	acgcctcact	169809647
catagagtag	gaattcaaaa	acatcccagt	aggagctggg	aaagctccta	169809697

FIG. 1J2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctgcatgtct	tgtacatctg	ctgtatgcc	gctgggaaag	ctcctactgc	169809747
aagagagagg	caaaccacaa	aggggactaa	ggggaagaat	tgggaggggg	169809797
gcattttattg	ccccaaatga	ctgaattttg	gtcaaataac	aggaccacgg	169809847
gcactcacat	gttcaagtta	tgttcaggaa	tcttcctgtt	ttctttatga	169809897
agcagaccct	acctctcatc	ataaagctgg	aaatgccacg	ttccctccat	169809947
tccagcctct	cttgagccta	tggtagcct	aaatgagcta	gactcagtca	169809997
atcaaaccct	tctgccctag	agtttgaatg	ggaagttctg	acttgaagaa	169810047
ttaggaacca	cacaggaccc	cgtttgtgaa	gggggtggca	caaggtgcgt	169810097
ggcctctagc	tcccaggggc	agcatccaga	attcagcctc	agggatgttg	169810147
gtcatgcaag	ccaccaaatac	agtgccagca	gccaaagacg	gggtgtcttc	169810197
acagggccag	tttcgtcatg	ttatttcaag	ggttgctcct	ggcccgtagc	169810247
ctctgaattt	atttttagttt	ctcagagatt	tcagtgggcc	aacgaatgtc	169810297
acttaatcga	tcccttttct	gcttgaggga	gccagactcc	gtgtttgttg	169810347
cttacaatat	agaccttgac	tgagacaagt	tgtcttgagt	ttccagttga	169810397
agtcaccta	ttccctttca	ccttgaggcc	tttgcacatg	tcatttctct	169810447
cacctggagc	aggcattcac	cctctttttg	tgactggatg	actcctaccc	169810497
agtcatccaa	gggtcaggct	tgaagactct	tcccctgaga	agccctccca	169810547
gatcacccca	aatctgggct	cccacaccac	cctgcatgtt	cctcttagta	169810597
gcacccctgac	cctggatttt	actgtttatt	tctgtgtttc	ctcactattc	169810647
tgtgagctgc	atgaggacag	aagtgcactc	atttcatcat	tgtagtagt	169810697
agttagtata	gttgcccagc	ctattgatat	tgtagaatga	gtggatggat	169810747
tgaactctct	taggccagag	tgatcccca	ctatcactgc	ctggcagcat	169810797
ggagcagctt	cagtttttgg	actcagggca	attgccctgt	tccaggaaac	169810847
cccaaaatag	agttgcctca	tttactttct	accagcatgt	cttgtacatc	169810897
tgctgtacgc	caggccccgt	gtcctcttac	gccacatcc	cagatcctgc	169810947
aggtagaagt	gtcacattg	ctgtgctccc	tttctctga	ccagccatgg	169810997
aggccctggg	ggcttgagg	agtggctgtg	tactccctgg	gggaagtgtg	169811047
ggctgcaagc	cccttgagtg	ggcaggttgc	catggtgatg	ctaattggaga	169811097
gacttgccctg	aggaataactg	accaccaaaa	ggaacaatta	ccagagaagg	169811147
cccatttctt	tagcaatttt	caagaatggg	caagataaaa	agccacaagt	169811197
gaaaaggcat	tgcaaacaaa	taatagtgtg	tgagctgggtc	tggacccaac	169811247
aaggcctgtt	tcccacccct	ctttccctct	ggttgtagtg	aataaagcca	169811297
tacttttcag	tgatttataa	ctgttcaaaa	atgactcggt	tccatatctt	169811347
ctttcatcta	cccagcaccc	attatgtacc	aaatgcctaa	cagacactta	169811397
aaatatactc	tataattatg	aaaacaaccc	tacaaggtaa	ttgttcccgt	169811447
attacagatg	agaacactga	ggctcaggga	gtgtaaggga	cccgtctagg	169811497
gctacgcagc	tgggaagcac	atgcagcact	ctacttcatg	cttaattcaa	169811547
ggaagcgaat	tctccttggtg	ggtaacatc	atcacagtgg	caattccagt	169811597
gcctccataa	gaaagtgtcc	ttggaaatga	gacactagcc	ctctcctgtc	169811647
tcactctgcac	aatatcctat	tgccatctat	ttagaagaga	ggtagtgagt	169811697
tggttcattc	attcattctc	catttgttca	ttcatacaca	tttattacac	169811747
tcaaacttct	agggcaaaaac	cagcaagccc	cgtactggac	acttcagact	169811797
caaagatagc	aacttgctaa	gttacaggag	cttcctcata	attgctgagc	169811847
ttctaagctc	tttgtcccaa	ctcctgaaaa	gtagccctca	acttccaaac	169811897
tgtgcttcgg	gcactgacat	tccctgagct	ccacacaccc	ttggaccaca	169811947
gttttctgag	gccagatga	gcacaatgtg	cagggcagag	cctggcactt	169811997
ccagggctcc	aaggagtcca	gaggaaaatc	gggcaggtcc	tgaatcaggc	169812047
tgctgtaggt	tgaactcctg	ccccacttag	cagctggatg	atgtgcaaat	169812097
tgctcagcct	ctctgtgctt	cagtttcttc	acctataacc	tagggctaaa	169812147
aattagaagc	acctactcca	tacagctatt	gtgctgatac	aatacaataa	169812197
tccacataag	gaacttagaa	cagaacagtg	ccggcggtgt	atgttaaagt	169812247
ctgagtgagc	accagttggg	attagaagta	gcagcattgc	caggtactcc	169812297

FIG. 1K2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgagcaatgg	gtcagctaatt	tccactctac	cctcagaccc	caccctcctt	169812347
tgcagttcct	tctcctgctt	tgataactag	aagcagtcac	atagggcctg	169812397
gggtctctac	ttgtaggagt	tcagtcaggg	tggtaggaaa	aattataaaa	169812447
attatagaaa	gactcaaacc	ttcttggaag	gccgggaggt	tttgcaaaaag	169812497
ttttgggaaa	ggatttggct	gaaggcagct	gaattttctc	agagtaaata	169812547
acaaggaagt	gtaagggaat	taatctagat	aagttagttt	acttaggcct	169812597
tgaaacatgg	cctttaatca	tccatgctca	ggactgctct	cttgggggaa	169812647
aggatcgccc	gacccccccac	cccaccctca	ccccaccccc	tgccaccatg	169812697
ttaattaccc	acaagtgtgt	tgactcaaag	cctttgtcat	taaactctgta	169812747
ctgaatatat	gcccacagca	ccagcttgct	aaggctgcag	ctgctgactc	169812797
tttacagcac	cctcctcggt	gcctgtgagt	ggcccagctc	cttagccgtg	169812847
cagccaggca	aaaaatctgt	gtctgcatac	atTTTTtcat	ccatcactca	169812897
gccagggtct	gcgggttggg	ccccgcactc	actcacaat	caagatgttc	169812947
agttccgcca	cccacccctg	tctgtcttcc	tttctcacag	tcactctgta	169812997
ggtgtatcct	gaaaatgtaa	atcagaccac	agcattccct	agctgaaaac	169813047
ccttccgtgg	ctccctatta	ctcaccatag	gctaaattcc	gccagactc	169813097
ctctgaaggg	cttgcaaggc	ctcctgtgtt	ctagctcctg	cctgctatcc	169813147
accacacccc	ctcattcctg	cccctgtaaa	ccccttgtag	ctctcacatc	169813197
tcaagaatta	aagatttgac	ccagttgctc	cgaccacctc	cgccccgatc	169813247
cccagaaaca	gtttccccct	tctctttctc	tgGCCaactt	ctatcggttt	169813297
tcagaatgtc	tcccctggcc	acgcaggatc	ccttccattt	tgaggctgat	169813347
aaaatcctgc	ggatcgcaag	ctgagcgctc	atcacacccc	atcgtgatta	169813397
tctccccctgc	aaggccaggg	gctttgagag	ggtgggactg	tggttgacac	169813447
gttcagtgct	ccagtcccat	cacctgacac	ttgccataga	gaagggtgctt	169813497
agtatttaga	agagtgtgtg	cgattaccga	gagcatggat	atgaagaagg	169813547
ggatcacaaac	cttgaaaaag	tttgttgctg	agaaagaggc	aagcagcccc	169813597
aactcagggg	agctggcctg	gtcctcacag	tttgtctcct	gttgaacaat	169813647
ttcacagaac	attgagatca	gacaaggcta	ttctgactgt	gttggagcaa	169813697
gacaaaatcg	agagcacttc	gtagtcatgt	ctaaacgcag	ataaaaacaag	169813747
aacattgtct	aaaccacaaa	aatgaccaga	catcccgcct	ttttgggcta	169813797
atgggagtaa	ctgtttacca	atgtttataa	tgttggccct	gcactagtcc	169813847
ttctacctta	tagataagat	tataggtacc	caattataga	atgattccta	169813897
ctgcctgatg	gcatccaatt	gaaccctccc	tagtcactta	acacaagccc	169813947
ccatcccttt	gtaagtctct	cgtaacaccc	tctcacaaaag	acccctcact	169813997
gttccccaca	gtgcacaatc	tccttgctgc	aatgagccaa	taaaccacagc	169814047
tccgttcaac	tgcagggtgtg	ttcctggctc	ttggctaaaag	ggcattgaca	169814097
ccaccatttt	cccagaaacc	tgaacttgca	aaaaaaaaaa	aatacctaata	169814147
taaacaattt	ctgcaagcta	attgatagtgtg	agaaatgtat	ttctgatagg	169814197
gagcatcagc	tggagtagac	aactttgtac	atactatatg	ttttccggac	169814247
agttgcttca	gcttctcctg	cattgtgtgt	gtgtgtgtgt	gtgtgtgtgt	169814297
gtgtgtgtgt	gtgtgtgtgt	ttgcaggggg	aagatgcaag	ctttgctgtc	169814347
ctgggtgtcc	gtgactgggc	atgtctcatc	tggaaagaga	tcagctaata	169814397
ttccttgaga	aaaagaatgt	tatcactgga	tgattacatc	tgcttccaga	169814447
gaggtaagag	catgcagcat	ggagcagaca	ctctctatcc	caggagctgc	169814497
cctgcccagg	cctgggctgg	tggctattgt	catggagtgg	taactgtaag	169814547
gccatcctca	taagtccctgc	tgatatcact	ccaatccatg	gacaccctg	169814597
tgactccgtc	tccattcctc	aggcctgctt	cccatggaaa	gacccagagg	169814647
gaaacgtggt	tgggtggcatt	ggggactgag	aacagaacaa	aattcaggct	169814697
ttgagtgtgg	attagagacg	cactgtgtgg	tgcttgcac	acctctgaca	169814747
gtggttgggt	aatgggctga	atcacccaat	ggagacagaa	tgccaacaga	169814797
tgttagttga	ggaggatgat	taatctcctt	cttcgaaaac	tcagagaatc	169814847
tttattggca	acgttgaagt	caagataggg	cttctcctta	gcaaccggaa	169814897

FIG. 1L2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agcgcctagt	gtgcatggct	acagaattca	atatgaaact	cagatgatga	169814947
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gagggctggg	gcctcataaa	tgtcaacaaa	agctggatgat	gggtccagag	169815047
agggatgtta	ggccagcctt	gatggatgag	gaagtttcat	ttaggggctc	169815097
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tcaccttctt	cctttgcctc	tcaggaaagc	aaaacttctt	tacgacactt	169815197
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agtgtggaag	gatggggaaa	ggcagttttc	acatattgca	gccaccatac	169815947
caccaaaagaa	aacaggtgca	cttccaggca	tcathtagcg	gggtaccaca	169815997
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gttagttggt	acacagttta	gaaaactatt	acagctgctc	aagaagggtta	169816647
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aagaataatt	catgctttgc	aaaaagagga	aaacgtcctg	cagtttttaga	169816747
aggctctttc	tttctcaaca	cacccaaatt	tctttaaaat	cctcaagaag	169816797
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acagactaag	aattaagaat	gcaggtgaga	agtttagaaa	acttcctgat	169817147
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taagaatggt	tttatataat	tagaactctt	taagctatgt	aattctgaaa	169817297
tctgtgtgac	agacttctgt	gtaaacataa	agaactagtt	atttttacag	169817347
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tacaaagttc	aatgaagggt	aaaaaaatat	tgttcttaaa	aaaagaagag	169817447
ataaacctgg	agtagctatt	tcaatgttag	acaaaatgga	ttttaaaaca	169817497

FIG. 1M2

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aaatatcagg	aagataccac	aattataaac	aaatatgctc	ctaaaaatag	169817597
aatctcaaaa	tacataaaac	aaaaactgac	aaagttgaag	ggataaataa	169817647
ataggcagct	cagcaatatt	tagaaacttc	aatacctcac	tttcaataat	169817697
ggatagaaca	actagacata	agatcaacaa	gaaaatagaa	tattttaaca	169817747
aagctatata	ccaactaggc	ctaattggata	tctatagaat	aatccaccca	169817797
acaacagaag	tcttctctct	cctacttctc	ctcctcctcc	ccttcccctt	169817847
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gccccacatat	tcttcttaag	tacacatcaa	acattctgta	gaatagacca	169818097
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acacaatctg	ttccttggcc	acaaagaata	aaattagaaa	gaacttttgg	169818197
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gaagaagaaa	tcacaaaata	aatgagaaaa	tactttgaga	tgaatgaaaa	169818297
ttaagacaca	acataataaa	atztatgcaa	tatagctaaa	gcaatgctta	169818347
gagggaatt	tatagctcca	catacctaca	ttaaaaatgg	agaaagttac	169818397
actgttggtg	ggactgtaaa	ttagttcaac	cactgtggaa	gacaatatgg	169818447
cgattcctca	aggatctaga	accagaaata	ccatttgacc	cagcaatccc	169818497
attactgggt	atacacccaa	aggattataa	atcattctac	tataaagaca	169818547
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aaccaaccca	aatgcccata	aatgatagac	tggacaaaga	aaatgtggca	169818647
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cctttgcagg	gacatagatg	aagctggaag	ccatcattct	cagcaaaactg	169818747
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gcctgtcggg	gggtgggggg	caagtggagg	gagagcatta	ggacaaatac	169818897
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atgggtttgca	tcacaggact	ctgtacagac	aacccccagt	accagcctgg	169820097

FIG. 1N2

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aacctggtag	acatcctggg	tggctagatc	cagaagagag	ataacaatca	169820147
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gagccctagg	ccttccatct	gacagacact	acacaaatga	ggaggaacca	169820297
gaaacccaac	tctagtaata	tgacaaaaca	aggttcctta	atacccccca	169820347
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acaatcaaaa	cttcaggaaa	caatggacac	agttatagaa	atgcaaaaagg	169820597
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aaaaaaaaaa	aaggcaaata	gaccaatgga	acagaagaga	gaacgcagaa	169824347
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ttcgcaattg	taaaaacgtg	gaaccagccc	aaatgcacat	aaagcaacga	169825297

FIG. 1P2

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taagtgggag	ctaaactatg	aggatgcaaa	ggcataagag	tgacacagtg	169825497
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agaggggaca	ttttccattt	cattttgtga	ggccagtatt	atcccattac	169825897
caaaccatac	aaagccacta	caaagaaaaac	tacagaccaa	tactgcttat	169825947
gaatataaac	ataaaaaatcc	tcaacaaaaat	actagtaaac	tgaatccagc	169825997
agtctgttaa	aaagactaac	accatgacca	aataggattt	atcaaaggaa	169826047
tgcaaaagtg	gttttaacatt	tgaaaattaa	ttaataataat	acataattca	169826097
atagaaaaga	gaaaaaaaaca	catgatcatc	ttattagaca	cagaaaaatc	169826147
atttaacaaa	atccaaactg	acgtcatgat	aaaaacactc	aacaaactag	169826197
aaatagagtg	gaactttctc	aatgtgataa	aggacatcta	ccaaaaatcc	169826247
acagctaata	tgataaataa	tggtaaaaga	ctgaatgttt	ttcctctaag	169826297
atcaggaaaa	atacaaggat	gtctgctctc	agcactttta	ttaaatattg	169826347
tactggaagt	tctagccaga	acaattaggc	aaggaaatga	aataaaatga	169826397
actcaaattg	gaaaggaaga	aataaaaacta	tttccggatg	ataccacctt	169826447
atatagagac	aatcctaaat	aatccattat	tagaattatc	agaactaatt	169826497
aacaagatca	gcaagggttac	aggatataaa	attaaaattc	ctatacacta	169826547
gtaatgaata	atccaaaaat	aaaattcaaa	aaacaatccc	acttacaata	169826597
gcatcaagaa	aataaaaatcc	ttatgaataa	atttaacaga	agtcataaac	169826647
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gaaataaatg	caaagacatc	catgttcatg	atcagaagac	ttatatattgt	169826747
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ttcaaagtga	ttcgatgcaa	tctctgtcaa	agtttcatag	catttttttgc	169826847
agttatttat	actgcaaagt	gatttacaga	tttaatgcaa	cccgtgtcaa	169826897
aatcccattg	ccattttttgc	agaaatggaa	aagctattgc	tggaattcat	169826947
atggattgca	agtgacccca	aatagccaaa	acaatcctga	taaagaacaa	169826997
agctagacaa	agtccatctt	gcacttctct	atttcgaatc	ttacttcaaa	169827047
gctatggcag	tgaaaacatt	gaactgagta	cggtaatat	tatcatctca	169827097
aaacctcaca	acaatgcagt	caagtggaa	cactgtctca	gtatttcaga	169827147
tgagagagcc	aggctcaaag	aaatatgggg	aattgcttga	ggtcagagag	169827197
ctgggtaacc	acaaatgcgg	gtccacattc	agatctgccc	taagtataaa	169827247
gacattgcat	cctctcagcc	actacctaca	ccactcttga	gtttcttctga	169827297
cacaggacct	gtgaacagac	agcccaagac	gcttggaat	catggaattc	169827347
taacccccaa	agcctggctt	agggacctca	tccagcgacc	agacagggcg	169827397
tggtgtgcct	catccacatt	tctgaaagtg	tccactcagt	ggacagcctg	169827447
ctttctagtc	tctgccctac	tggtttgagt	gtggatgccc	agacggttag	169827497
gaggcaagct	ccagagctcc	catatgatca	cttccactgt	cacctgtgtg	169827547
ccacaagtgc	tctctgtaca	catgctccac	ctgttctgat	gatctttcag	169827597
tctttcaact	tccaagccat	gtgagggatc	cttcaggaa	atgagcactg	169827647
ggacatgctg	gacgctggag	agagatgcag	acaccagag	ctggctgagc	169827697
taacatgcta	cagtttgtga	ggaggagaca	caaaatttca	tacagatgat	169827747
aaaatttttc	tgtacaacaa	acctttgtga	tagatcctac	aatatatcca	169827797
ttattctcac	tagaatgtga	acatgattct	gcaaatccct	agggagaaaa	169827847
cccagcctgc	cccttatcag	aggctataaa	ccacctgttt	ttctttccat	169827897

FIG. 1Q2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctccttccc	ttgcttccct	ctcacacatc	agtccttttag	agaaaactga	169827947
gctttttccaa	gctgtttattg	ctcaaagaaa	tgtcttcatc	caaggggaacc	169827997
aagggatgtg	aagggcactg	gcctccgaag	catttgccat	tgtcaacttt	169828047
tattgagcac	ctactatgta	ccaagtactg	tgctaggttc	tgacgacact	169828097
gaagaaacaa	aaaaatagat	acttccta	ctcaaggga	agtccactgg	169828147
tggagtcaga	ccttcatcac	gcacacacac	aaacacaaa	agagagacag	169828197
aaagagagag	agagagagt	agagagaaat	acatgtattc	agatactgct	169828247
ctgaacctta	tctgggtccg	gagggcagag	aaggcttctt	gaactaggac	169828297
ctaagaaatg	ggaagaaatt	tgctagttaa	gcaggtgttg	ggggaaggtc	169828347
ctcagaagaa	cattctagaa	caagtgcagg	gtcccaagag	ggagggagat	169828397
gggccattcc	tgcaactgaa	agaagacca	tgtttctgaa	ccacatggag	169828447
caggaggaag	cagcaggaga	atccaacagg	gggaggggtca	gaaagcccat	169828497
gtttgttaact	aaccggaacg	atgaatgtgg	tttgggaagac	aagtgaagag	169828547
atgtgtacca	cgggccagat	gtgggagacc	aaggagggga	ctagtgcatt	169828597
tttccagtaa	agaaataata	gtgcttgggg	ctagggaggg	tcaaattgag	169828647
aagaagacaa	gtggggaggt	ttaagagaga	tttctaaatt	aaaatgtaca	169828697
gggaatagt	acagatgat	catggggtag	agagagagaa	ggcaatgtca	169828747
agagtgaact	ccaaatctgg	cttgcaaa	gaatgaacgg	tgggtgcatt	169828797
cactgagaaa	ggacacccaa	gaggaggatg	tgattagcag	gggagagagc	169828847
aggagttcaa	gctgatatgt	agatccacat	taatagtct	agtcagaatg	169828897
tggatacgta	ggtttggggc	ttagaagaaa	ggtctggggg	gaagatctaa	169828947
ccctagcagt	catctgcaaa	gagatggtaa	taaaataaat	acaattttta	169828997
aatggatgga	atttccaggg	aaaaagcaga	gggtgaaatg	agtaaaggat	169829047
ctagggccaa	ggctaaaaga	aatccattat	tagaaacaga	aaaggtgtct	169829097
tagtgcattc	aggctgctat	aacaaagtac	catagcctga	gtggcttata	169829147
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caaggtgcaa	gtgagagtct	gccttctggc	tcatagatgc	tgcttcttgg	169829247
ctatgttctc	acatggtaga	ggatgtacgg	aagctctctg	cgacttcatt	169829297
tatgaggacg	ctaattcccat	tcatgaagac	tccaccctca	tgacttaatc	169829347
acctccccaa	atccccacct	cctagtacca	tcaccttgag	ggttaagatt	169829397
tcagtatatg	aacttttagg	gtcacaagta	ttcagtctat	agcaggagga	169829447
atagccaaga	aggatgaatg	aaaatcatac	aaggatgatt	tcatggaagg	169829497
caagggagta	caatgtctca	aataaaccaa	gtcctgagtc	aaacattact	169829547
gagaatgtga	gtgtaataaa	accgagactc	aaaagtaggc	attggatgtg	169829597
atgacatgac	tatcactggt	taccttaggg	agagaagttt	tggcggagtt	169829647
gacaagcaca	gtcagatgga	atgtgtctgg	ggatggcaaa	gatggggaaa	169829697
tgaagatacc	cagtgtagac	agcttctgaa	agcagctggc	cgtgagtcag	169829747
aggtagacag	gaaagtgact	aatacagtgc	agaggtcgac	gttttttagct	169829797
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attgtccaag	ctgagaggaa	acaattagat	ctatatgaga	gaaaagaatg	169829897
atgaatatca	ggcaagtatg	gcaaagacca	ccattacttt	tgaccaacc	169829947
caataagaaa	gttggaggat	cttcacaaaa	caaaggtggt	tttggcctga	169829997
gtggggagga	ggaacagctt	ctttactacc	agtggaaaga	aggagaggct	169830047
ggtgcagggg	cagggaggta	gcagggagca	gagggaggcc	ccatccacgc	169830097
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tcttctaacc	caaggaagat	ttagaactaa	gtataggctg	ggcgcggtgg	169830197
ctcacgcctg	taatcccagg	gcttcgagag	gccgaggcgg	gtggatcacc	169830247
tgaggtcagg	agttagagac	cagcctgatc	aacatggcaa	aaacctatct	169830297
ctactaaaaa	tacaaaaaatt	agccaggtgt	gttggcgcc	gtctgtagtc	169830347
ccagctactc	aggaggctga	ggcaggagaa	tcgcttgaa	ccaggaggtg	169830397
gaggttgag	tgagctgaga	tcacgccatt	gcactccagc	ctgggcaaca	169830447
aagtcagatt	ccatctcaaa	aaaaaaaaa	aaaaaaaaa	gaaactaagt	169830497

FIG. 1R2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atagaagtat	ggaatagaac	tatatctctt	ctattaagat	atttgtgctt	169830547
tgaaataagc	tatgtttaca	cacttgtaat	gtttaagaat	ctgtggcctt	169830597
tcagagtcac	atatgaactt	tcccttctaa	tataaaatgt	ttaacggagc	169830647
aattgacttt	gacatcagat	tctaagttga	aatcttactg	tatttaaata	169830697
agatttgga	cctgtaaaag	aatttaagcc	ttgccgtctt	tagaagttaa	169830747
atgaattaga	tttataacaa	ttacttaaat	atctgagaag	gtttgttaga	169830797
caattgaagt	acttaaaaag	gaattaaaat	atattaagcc	tataaatgca	169830847
gtttacaatg	tttagagcaa	tttaattaaa	aacatttgta	aatgagacga	169830897
aacattttctc	aaaggtactc	ttaaatgtga	ttgttaaaaat	ttgctagacc	169830947
tataaataaa	taataagatt	cgtaagctga	atttcaaagc	ttatggagga	169830997
acttggtgcc	atatgaattt	gttactttta	taaattgaat	gttaattttg	169831047
aaaaacaaag	aaacctttca	tcaatatattt	tggcgccctaa	gagctgctct	169831097
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ccaggtgcag	tggctctctc	ctgtaatctc	agcacttttg	gaggccgagg	169831197
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tggaagacac	agtgcagacc	tgtctcaaac	aaaatttttt	taatggctat	169831447
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gccccatttc	ccagaggtaa	ccatcattac	aagttccttg	tgtttctgcc	169831547
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aacaaagaga	tatatctctg	atctaacatt	ctgtactgct	tttgtgctta	169831647
acaagataac	ttgagccggg	tgtggtgggt	catgcctgta	atcctcaagc	169831697
tttgggagct	gagacaagag	gattccttga	ggccagaagt	tcaagatcag	169831747
cctgggcaac	atagtgcagc	ccgatctgca	aaaaaacatg	taaaattagc	169831797
tgagcatggt	ggtgtacacc	tgtagtccca	gctatttagg	aggatgaagc	169831847
aggaggatca	cttgagccca	ggaattcaag	gctatagtga	accatgatca	169831897
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tggcctcatg	cctcccctct	gggttgtgcc	caaacttctc	tcaagagtgg	169832097
atcctctcac	tgtctctact	tcctgcctcc	ccagctactg	actgtaccaa	169832147
gactgtgctt	tctgagggca	ccaatgccct	ccaccttacc	aaacccgcta	169832197
gaggcttctc	agttctcata	tctcttactc	tccggctttc	aacacgtgag	169832247
ccatcttttc	cttgctgcat	tgcaaagcca	cctttatcta	gcaatgaatt	169832297
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taaaacctat	actcttgagc	aatgaatgtc	cttactcaa	tcctccataa	169832447
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gacagcagag	gttcacgtat	ttcctggcaa	ggcccagaat	gccgttattc	169832547
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tgtgtgaaaa	tggaaagagc	aatctgagct	gtcgcccat	tcctacagaa	169832647
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cacttgagca	catctggccc	ccactttctc	ctttcctcct	ctcttctact	169832747
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caggaaacct	ttcctgaggc	tcctccctat	gccccacatt	agccactctg	169832847
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cagaattgcc	ctatgcccc	tctcccttag	accaccgtga	gctccccaag	169832947
ggcaggacct	gtctctcagc	agacttttac	tcttgttacc	gaactgatct	169832997
tgggtctgcc	cacccggcac	agtgcagcca	aacactgata	ttgggattgc	169833047
agccagagaa	agtgaggcat	ttattgcagg	gcgccaagca	agcagaattg	169833097

FIG. 1S2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggcagctcat	gcttaagatc	agaactccct	gatggcttac	aggtaagggt	169833147
ttttaagggt	agagggggag	aggttacag	caaaatcata	aattaatata	169833197
tggagactat	gtgttggttt	ggcctaaaaa	ggcaaagcat	cttgaagcgg	169833247
aagtttgga	gtgtggcaag	tgaaagggtg	attcaaagat	ttttcagtg	169833297
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gcaagaaact	taggagaaag	catgggtggt	ggagttcggg	cctcagcttc	169833447
cccttatcca	aggctctctg	gcctgcagat	ggcactttcc	atttggtgga	169833497
ggctctgggt	tctgaaacac	aactcaggga	cgtagggtga	gatgttatct	169833547
ttagtttcta	caggaaacca	aatatcctat	gactctaatt	tccttggtga	169833597
ttgtcttaag	ctactattac	cttcttgctt	gtcaagttgc	gcatttactt	169833647
ttcaaggctt	gctacgtgcc	tggaatttct	agattttcct	ttatttccat	169833697
gcttggggag	aggagtgcct	ggcaggctcc	taagaggggt	ctgtgctcca	169833747
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gggtgaagtg	ttcattcatt	ttctgtacaa	aagcaatcaa	tgcttattgt	169833847
ggaaaaccca	aataagagag	ttgctctaaa	caacaccctc	cccagtccca	169833897
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tgcagaccag	atcggtatgc	caagttttcc	ataaatggat	ggccatccac	169833997
ttcccttcaa	gggcgagggt	agtttggtct	gatccatctc	ccttttcaca	169834047
gctcaggagg	ggaggaagac	ccaggaagga	gagctgccac	agttactagt	169834097
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ggaagcagcg	ggccagggtg	tgaactgaac	tgctgctcag	ggctcctgag	169834247
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tccctacttc	ctcctttaga	tcctctttcc	cctgaaccca	ctcatttatc	169834347
accttttgat	gagttccacc	aggcagacca	tgtcaggaaa	tttcttggtg	169834397
ttcattttaa	tataaactta	ttattaagac	agcctcaca	gtcatgatac	169834447
atttactggt	tcatttttca	catctccgtc	agaggcctcc	tggcagccac	169834497
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gcccaccccc	gttattctcc	agacgtctg	gatgggatgg	aatgagcacc	169834647
aaacatggag	tcaggagacc	tgggactcaa	tcctcctcct	gctgcagact	169834697
atgctcagac	cctgctgaag	gaaggcatcc	tctctggggc	tcagctgtct	169834747
catgtacaag	atgggaatca	tctcagttca	aaccagacag	agccactgtg	169834797
agattcagaa	gaaagctctc	gcaatgagag	gcctccccag	gcagatggag	169834847
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tacttcactt	agaataatag	tctccaatct	catccagggt	actacaaatg	169835297
ctgataattc	attccttttt	atagctgagt	agtattccat	tgtatctaca	169835347
tataccacag	tttctttatc	cactcggtga	ttgatggaca	tttgggtcgg	169835397
ttccacgatt	ttgcaattgc	gaattgtgct	gctataaaca	tgtgtgtgca	169835447
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ctccacactg	ttttccatcg	tggtgtgtct	agctgacatt	ccaacgagca	169835597
gtgtagaagt	gttcctgtgt	cactgcaccc	acacctacat	ctactgtttt	169835647
ttgatttttt	attatggcca	ttcttacagg	agtgagggtg	tgctgcattg	169835697

FIG. 1T2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tggttttgat	ttgcattttcc	cttatcatta	gtgatgttga	gcatttttttc	169835747
atatgtttct	tagccatttg	tatatctttt	tctgagaatt	gtttataatt	169835797
gacatttatt	aagtgccttg	cagacgctgt	gccaaggatg	tcatgttgtc	169835847
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tgtaaaatgt	gtaccagtgt	tatgccatt	ttatagtga	gaaaactgag	169835947
gcatagggag	gcaaaagcaa	cgtgcccga	gttacaagc	cagtcaatgg	169835997
tggaaccaga	attagaactc	tggccaactc	cagagtctac	cttcttacca	169836047
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gcaccagggc	ccctggcagc	tcagcatggg	ggcgcgcagt	gacacctgca	169836197
ctcatgatat	cccacacctg	tggctctcca	aggggacaga	ctgaactctt	169836247
gccacttcac	ccacaaagcc	cccctctatt	tctccttttc	cctcgactgc	169836297
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ttctctgacc	cagcctcaca	ccagggtgtg	gcattagcaa	cgagacaggg	169836447
tagtgttggg	gcaggtgaca	cagggctagg	atatggcaca	ggaatttaga	169836497
aaataattag	actgcgttgg	gcgtcaggac	acaccactcc	aaaatatgac	169836547
tgtaggcgac	caggaatctg	ccacagcaaa	atctactttg	gcatttttca	169836597
agctagttaa	tatgagaaac	tgcagacaca	ggagtagctc	tgaaaagctg	169836647
tccttttgta	aaagaaattt	acatctataa	aggaaatcca	cattagtaaa	169836697
acaatctgta	tcaggaagag	ggctgctcag	agacagcttc	tattaccgga	169836747
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FIG. 1U2

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1W2

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1X2

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Replacement Sheet

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gctagtctca	agctcccgac	ctcaggtgat	ctgcctgcct	cggcctctca	169847747
aagtgccagg	attataggtg	taagccaccg	caccagcca	gatctaggtc	169847797
tttcatcccc	ctacacaacc	ctggcctggc	ctgggcctct	ggtcttgggc	169847847
ctggaaggga	gtcccatcct	ccctccctca	gctggatttc	ttaaggataa	169847897
aacctttgct	ccttcttcca	ccacacctct	ccacatccca	aactcaagcc	169847947
cacagagccc	agctctgggc	ccagggtgtg	gacggggagg	gtggctgggtg	169847997
gcccagagct	gagccctgtg	agtcaacagc	atgcctagac	tcacacacag	169848047
acacatggcc	caccttcagg	gtcatgagga	ttcataaacc	ctattctgcg	169848097
aagtgcctcc	aggaatcatc	aagggagcta	gggcagctct	gagtctccac	169848147
caggcccacc	ctccgcctct	cagggtgtag	cttcaacttc	cttcccaaag	169848197
gggccaggga	gaggggctgc	tgatgacatg	atctcagagg	aaggccaagg	169848247
cctccaggct	gcctctgggc	ctggcacagg	aaggaggagg	agaaaatagg	169848297
gagcccaagg	aaagatcaac	ccagcccagc	ccaaggaccc	ccagccccag	169848347
ccccagcccc	agctgggctc	aaactaattg	aaaacagact	ggaaaaggct	169848397
gcttttgccc	ttcctctagA	CTCAGCATCA	TCAAGACTGG	AGGGACAGAG	169848447
CATTTGAATC	ATCAGACGCT	GGGCCAGACG	TCACCCACG	CGTTTTCTCA	169848497
TTTTATCGTC	CTAAGAAGCC	CAGAAGgtgc	gtaaaatggc	ctgtcccaaa	169848547
cagatgagga	cattaccttt	ctcctcttcc	tcctcctcct	tcttcttctt	169848597
cttctttttg	cttcattttt	ctttcatttt	ttccccaga	tgttgcattt	169848647
cagagaggct	gagcgtgttg	actaaggtca	cacagctaca	aacatcaggg	169848697

FIG. 1Y2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

acctgcgaaa	aagctctggt	ccctggtgac	agggtgttctg	tgatcctaac	169848747
acagccggag	gtggggacaa	cgtccttgca	gtaacaaagg	ccctgttgct	169848797
caactcagtg	gacatcaggc	cctgttttca	ttcattagca	ggtcagggat	169848847
tccagtgtca	cctgtgccat	gtattccagc	tgatctacct	gcaagcctct	169848897
actccccatt	ttcccagcag	cagccgcaga	caccacccaa	ctggcagaaa	169848947
tttcaaacaa	ggggttctgc	cttgcaactcc	gggtgcaagg	ttgggcacgt	169848997
ggactcacat	gtgaccaatc	acattgtctt	tcctgagatc	ctgcattttg	169849047
accagaggaa	tcaagaacaa	aaagtgggtg	caactgattt	atccttaaga	169849097
aatccaagta	atgagttcct	gctgccaaga	tttctgggat	ttccctggct	169849147
cctgccagtt	tctggatttg	gttcttaagc	attttctggg	tgtgtgagcc	169849197
ccataccctt	ctcatagctt	cttcagccag	agtcagtttc	tggtttttgc	169849247
aatcaaaaat	aacccaacta	agatttgcta	tcctgcaggc	aagagagggc	169849297
cacagcttga	tagtcaagg	tagccattgt	ctgggccctg	cctgccccag	169849347
ccagctttct	ttcctcccca	gcctgtacct	gccaccctga	gcacaccaca	169849397
ctggtacacg	cctgtgtact	tgtcttttat	ggctcacta	taattttatt	169849447
aatccctcat	taatgaacat	ttctaagttg	aagtataatt	catgtattag	169849497
tcagggttct	ccagagaaac	agaaccaaca	ggatgtgtgt	gtatatatat	169849547
tatacacatt	attatatatt	acacacatgc	acacacacag	acatatctat	169849597
atatctagag	agagaaagag	atttccttta	aggaattggc	ctacatgatt	169849647
gtaggggctg	gcaaattcaa	aatcggcagg	gcaagtagtc	aagggaaatt	169849697
caaaattggc	agggcaagaa	gcctagggaa	aagttgcagg	cagaattggt	169849747
tcttcctggg	agagacctca	gtctttttcc	ctgaaggcct	tcagctgact	169849797
caatgaagtt	tacctatatt	atggagagta	atccactttc	ttcaaagact	169849847
cctgctttta	atgttaattt	ctttgaaaaa	attgccttca	cagcaacatc	169849897
tagactgggtg	tttgacccaa	caactgggta	ctatggccta	ggcaagttga	169849947
cacgcaaaat	taaccgacac	aattcacata	cogtagcata	aaatgaaccc	169849997
ttctaagtg	cacaattcca	tgttttttag	atgttcacaa	ggtcacatc	169850047
atcacgatat	agtcacggaa	cttttttttt	ttttttttta	agacagggtc	169850097
tggctgtgtc	acccaggctg	gagtgcagtg	aagtgatctc	aactcactat	169850147
aacctccacc	tcctcagttc	aagcaatcct	cccacctcag	cccctcgagt	169850197
agctggaacc	acaggcgcat	gccaccaa	ccagctaatt	tttgtatttt	169850247
ttgtagagac	aggggccatg	ttaccaggc	tggctctgaa	ctcctgggct	169850297
caaggatatcc	acctaccctg	gcctcccaaa	gtgctgggat	tacaggcatg	169850347
aaccactgcg	cacggcccag	tcacagtaca	tttttcttgc	cccagaaaaa	169850397
aaaccttgac	tcctcccagc	tcctggcaac	caataaacac	attggtctgc	169850447
atgttgttca	tgctggttca	ccttcctcct	tgctccctt	tgactgcctc	169850497
ataaatttcc	actcattcct	caagagttag	cccttctgaa	atatcttctc	169850547
tgatcccacc	tactagaagc	accctgtccc	acctcaaa	gagtcaatca	169850597
ctttattttc	tgtgaacccc	caatataagc	tgatggtgcc	tcctggaata	169850647
gccttttagca	aaagatatata	aaattgccta	atcaacttgc	ttctctttct	169850697
caccaaacca	gcagttctta	aattatgatt	tcagggtctc	ttgacactta	169850747
ccccatattt	ttaccatttg	atgtgcttgt	gtttccggga	agagagttca	169850797
gggtttcatc	agatcttcaa	aaggatccca	ggaaggcca	agagccttga	169850847
gattagggct	tctcgaagg	cagaggcatg	cttcatgagt	tccttgtgt	169850897
ccttatgcct	ggtgcagatg	aggtctgctg	gatgagcctg	ggtgatgaat	169850947
gagtagtcac	atgtaggaaa	agtgtccttc	cttcaagggt	tttccatcat	169850997
cactctctat	gaagcagtga	aaaagcaaaa	caaagtaaca	tacggttaag	169851047
catcagagga	ggaggataga	cacataatta	catattcatt	tgttcatctg	169851097
ctcatccatt	cacaattttag	tgtatgcac	tacaaggtag	aaagcccagt	169851147
gctcccagca	gcgggtgttc	agagctccga	gaagcaagca	ggcaccacat	169851197
gttggtctca	gaaggtagag	agagactgta	aagtaaacca	aggaaggctc	169851247
cctggggggag	aggccgcag	acatgagcga	agccaagagc	aaggactggg	169851297

FIG. 1Z2

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

actcagccag	atggaacaga	gcccggggaa	gggtgtcttg	agtgtgtgtg	169851347
ctggggggag	catccacgtg	agcaaatgcc	aggcctgcag	aggacccaga	169851397
gaagggagag	aatttacaca	cccacagtcc	ctgaagcctg	gagaggactt	169851447
tttaagattc	ccggtgacgg	tgcagagaag	ctgagccggg	gcctgactac	169851497
agtgaggtgt	ggggtgtaat	taccaagcca	gagtgcagag	ctgagccaag	169851547
caggtaaagag	tactgacccc	gagcccactc	gggctctgag	cagaaggaag	169851597
atttcattag	tgtagagag	gaaggatgtg	ccttctcccc	cggaggccag	169851647
agggcaggag	accagccagg	cggggaggct	gacccaatgg	ccccggaatg	169851697
gtgatggagc	agcctgggag	gctgcaggca	ctgaaggaag	aggtagggga	169851747
cgatgactcc	atctgtcacc	tgggcaacta	ccccaaaaga	tggaggactg	169851797
ctggcagaaa	cagacagaaa	tttcccttga	gaaggagaaa	gccatgctat	169851847
aggcaatcaa	gatttgcaca	ttgtcagcag	agaaggaatg	agactgtctg	169851897
gttgccgcta	gactttggcc	agggctgtcc	tgcaggtaag	ggcctcgtgc	169851947
aggaggcccc	tgggcaaggg	ccggcccttc	tcctctccct	cagtgtcctg	169851997
gaaaggcccc	agggctgccc	caacccctga	ccctctcctc	tctttctcca	169852047
tattgctaga	cccccttctc	ttggctccct	gcctcctccc	actggtgtgc	169852097
acccacacct	tcagacagtt	ctgagcagac	cacgcaaat	acaactgtga	169852147
tgttattttgc	agcaggcatt	ctggacccag	aactgtgctt	ggtcttgaag	169852197
ttgaaaggta	gcaatcactc	atactcctct	cccatgaaca	atttgagaaa	169852247
aaatggaggc	tcagggcaga	agttaccccc	tttacaactg	acgggagcta	169852297
tcctggggaa	tgaagcctga	ggctaaaacc	tatgccctat	ttccagcctc	169852347
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gggtctcccc	caggtctgcc	ctccaaactgc	cccaagcccc	acatgcctgc	169852447
aggcggccct	gggatatctg	ccatgtgcag	ggaataatga	gcctggcagc	169852497
tgcaagaagg	agatgagctc	cagggtttga	gggttaagga	cattcaccag	169852547
tctcccagca	cactcatctc	caccccaccc	cagtgaatga	gactgagagg	169852597
gctcaagggt	ggggcaacag	gttctctcca	ttacctcca	gccaatacct	169852647
gcattgtaat	tgagtaactc	agtaagccat	gagaagcgct	gtgtgaccat	169852697
gactgagttg	tttaaactct	ctgttcatgc	tcctcccttg	caaagtgaag	169852747
gcattcaaaa	tcactctgtat	tcattgtgaa	cctactttgt	tctaaggcct	169852797
ctgggacatc	caaagtgtga	taggccatgt	ccctgaccca	gctgactgct	169852847
ctcacccttg	ctttcactgt	gtgaaattct	cccacattga	cgggctgggg	169852897
gtagggcaac	tacaattgag	aagcacaagg	gagccccccg	tggtgatgaa	169852947
acagttggta	tcttgactgt	gggtgtttaca	caaactctatg	tgtgtgataa	169852997
aatgacacag	aactacacac	atacacacac	ccataagagt	gcatataaaa	169853047
ctggttagat	ccaagcaagg	tgtgtggacc	atgccaatgt	cagttttttg	169853097
actttgacat	tgtcctgtgg	ttccctaaga	tggttaccact	gggggaaact	169853147
gggtgaaggg	tgcaagggcc	tctcagtatt	attatgggaa	ttttctgtga	169853197
gtctataatc	ctttcaaaaag	aaaagggtat	taaaaaaatct	cacatgactt	169853247
ctcactactc	tgcttataaa	atccacactc	ctcacggagc	accacaggcc	169853297
cgctgtaatc	tggcctctgt	ctcctctcca	acctctcccc	aagctcccta	169853347
ggcccagccc	catccccttc	tctctgcacc	ttgagcacac	ccagcccact	169853397
ctgtgaggct	gtaggccttg	ctgtttcttt	tacctcaagt	tctctcgccc	169853447
caaatectaa	acacaagtaa	cttctgtcat	tcaaatttca	caatcagtct	169853497
ccttttcttg	taaggccttc	tttctcaggc	tgatcccttc	agccctaata	169853547
cagttggccc	ttccactgtg	tttaggggtg	tacatcacca	tcacctcttg	169853597
gtttttggct	aagateaagt	gtagagtcct	gctatcatca	gacatgatct	169853647
gattcgtttg	tttgcttacc	tatcactgtc	agtcgggacc	tcccctccct	169853697
ctgagaatga	agcagagaaa	atgttatctt	ggtcaccagt	gtatcctgga	169853747
aactgcaaca	ggggcaggca	caggcaggag	tgcagtgaat	atcaatggta	169853797
gatgaatgaa	tgaatgaatg	agaatgaatg	gaagaatgaa	tgaatgaatg	169853847
caccacacaa	agtagcattc	tagcagaagt	gaaaacaagg	ttacctagtg	169853897

FIG. 1A3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cagactttcc	cagccaggac	tcatactatt	tttaaacaca	tacacctgct	169853947
tcggtgatgt	actgaaggcc	tcaggctact	ctccccgccc	acatctccca	169853997
cccctctaac	aggattcaaa	tctccagtcg	tcataatttc	tcctcatcac	169854047
ttacctagca	aatctggctc	acagtataat	atcagtcatt	tatacttcag	169854097
tctgaattcc	aggtcagtcg	caacttcctc	cagatatttg	tggtttaagc	169854147
ttcatgtgat	attacgtcat	cttaagggca	tttagtaaag	gggaagaagg	169854197
aacatttttg	gacagaggcc	ttttcctgtg	ctcatttggt	cctcacagga	169854247
agccaagagt	aaatgtgcat	ctagacctac	aggggaggtc	ttggcagtta	169854297
cagcaaactc	aggggaatttt	aaatatgccg	gaaactttcc	agagccctga	169854347
gttgacagtc	cagctctgtc	actgtctctc	tgtgctttgc	taaacagact	169854397
tcgccccctc	gtgggccgct	tgtgaaaata	gggcccagct	cgatggcata	169854447
taaaggccct	ctgacttcca	gtagtaaaac	tctagaggag	cccttgtttt	169854497
ctggggagac	tctttctgag	ttttcataat	aatgttgagt	agttctcttt	169854547
tcttgctcac	gccgactttt	ctccagttct	cggacaccag	ttctgggtac	169854597
ccaacaattc	aaatccagttc	tgacactaac	tatccagagt	tagcagaggc	169854647
cccacaggtt	aaaggcctcg	tcccacaaaa	ctgcccccac	ttcagacacc	169854697
agtggccagt	ctcagacccc	ctgtacttct	gaccaaccag	ctataagtca	169854747
aggattccta	agactccttc	ctcaggtcta	ataatttgct	aaagaagctc	169854797
acagaactca	ggaacacact	ttacttatgt	ttactggttt	gttttcaagg	169854847
atgcaactca	gaaacagcca	aatgaaatga	ctgaatcagg	caagatatgg	169854897
ggttggggga	tgaggcatcg	agtttctatg	ccctctccag	gcatgccttt	169854947
ctcccagcac	ttggacgcgt	tctccaacag	ggaagctctc	caaatcttgg	169854997
tgcttagggg	tttttatgga	ggttcaatta	cataagcatg	attgatcaaa	169855047
ttattggcca	atggtgactg	actcaatctc	cagcctcttc	cttctctcca	169855097
gaagtggggg	atggggctga	aagtctcaag	cttccagtcg	aggcttggtc	169855147
tttttggtga	ccagcccaat	cctgaagcta	tcaaaggctc	accaagagtc	169855197
acctcacttg	aacaaaagat	gctcctatac	cctcatcact	cgggaaactc	169855247
caagggtttt	aggggctttg	tgctaggaat	gggagacaga	gaccaaatat	169855297
ctatctattt	atttatttat	ttatttattt	tttgagacgg	agtctcactc	169855347
tgtcaccacg	gctggagtcg	agtggcacaa	catctgcctc	ccagggttcaa	169855397
gtgattctcc	tgccctcagc	tcccagtag	ctgggactac	agggtgcccac	169855447
caccatgcct	ggctaatttt	tgtattttta	gtagagacgg	ggtttcacca	169855497
tgctggccag	gatgggtattg	attccctgac	ctcatgatcc	aaccaccttg	169855547
acctcccaaa	gtgctgggat	tacaggcgta	agccacctcc	cccggcccct	169855597
ttctatgaca	ccacagatgg	gcacagtcag	aatcagagcc	tgagggtgcag	169855647
gtcaaatacc	ttagccctcc	accagtcccg	cccacttggt	ttctgtggta	169855697
gaaagttttg	tttactatct	gtatctgtat	ccccaccaa	atgcgagctc	169855747
ccccatccca	ccctgatgct	gaactgagga	cactcagggc	tttgtgtggc	169855797
tctggcagct	tgacaaatgg	gttctcagat	gaggtattcc	atgcccttct	169855847
tcctggagta	gtaagagtca	atgcttttca	gttcagcaga	aattcatgag	169855897
atattagaaa	gcacttccta	gatctgcgta	gaagttggaa	taggttgcat	169855947
atagaagcta	ggaaggttcc	atccctggag	atcttttagga	agatcccat	169855997
gctctgggtg	actcagtcgc	tcatttcaat	catgaattac	aggcattatc	169856047
gagttaaagtc	accatggtgg	ctggacctgc	tttctccaaa	gtccctccag	169856097
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ttggttaagg	aagaggacac	tgaacaaagt	catgtgttaa	gagtggtggt	169856247
tggttgga	attctgattc	atctttcagg	accctgctca	agcatctcct	169856297
cttttgagaa	gcctggcctg	gccctctccc	catgccccac	tcttctctcc	169856347
ccaggttttaa	ttaaatgtct	cttctcagct	ggtgtgacct	cttggttgat	169856397
tgcaaatagt	gcataactca	ctctctctcc	acggaactgt	gagctttcta	169856447
agggccagaa	ccatacccac	ctcatctctc	actgcctccc	tggtgccatc	169856497

FIG. 1B3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gcaggacagg	tggggcagag	caggggcccc	gtggctgctg	gctaaattgt	169856547
tggagggact	ggctgggagc	ccatacatca	cagacagcag	ataccccagg	169856597
gactggcagt	gtgggaacca	ggtgagaagc	cccagtcctc	ggtctgcagc	169856647
cttcctcagt	ctcctcactc	agtagccttg	attcccagca	aaccacatca	169856697
atttctcatt	gcacaccctg	ctcaatgctc	atctgcatag	tgtcctccat	169856747
ccagagcagc	cctgagctgt	gggcacgaat	actaatggat	catgcaaattg	169856797
ccagcctagg	gcaagagtgc	cctggactgt	caattagctc	cccccagcac	169856847
cagctacagt	gccccaaccc	ttcacttgat	acaggccagc	ccaatgcaag	169856897
aaggagcaac	agaaaaagaa	ctcggcttga	aggactgctc	tagtcaaggt	169856947
agtgtgttgt	ggcagcctgg	aaagggatct	tccatgtaga	gtgagggaag	169856997
aagagagcca	gcctggcctc	tcaggaagag	gttcccacag	gcactcttgg	169857047
gaggaaagggt	ggtgctcttg	ggggcccagg	taataattgc	tacacgaatg	169857097
ccacggctct	tggaactgct	gcttcatact	tttccctcca	cctggccatc	169857147
tatgtgccag	gccaccagcg	tacgtcctgt	gttgctctct	aaaccaagac	169857197
caaagctctt	cacagccact	cttctctgac	ccagtaccaa	ctccatcctg	169857247
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accatgcctc	tgaacttcag	tttgctagtc	tataaaatgg	agaaaagaga	169857497
agtacctgcc	acagtggcat	tgtgaggatc	attttatgaa	tagctaagaa	169857547
tttcaggtaa	ctcactctga	tgtaccagaa	agttactttg	cttactgctt	169857597
caatcactga	acttaatttc	tactccaagt	tcccattcct	ctcagtgcca	169857647
gagaaccctc	aatcagttca	ggatgcccc	tccccagtg	tgcctgaatg	169857697
ttttgggggtg	ggcttacgga	gcatggagcc	tgaagtggc	tctacctctg	169857747
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cctgtgcatt	ctgtggtcac	tgtgccattc	aggctgcagc	tggggcctcc	169857847
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gattccccct	ctccttaccg	gacttgcccc	ggagaggtag	gtcaggaacc	169857947
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gcctgagggtg	gaggacaagg	gcaaaccctt	cttgctcctg	ccctccaacc	169858197
agtcacatat	tcttccaggc	ctttcatctc	aaaatccaag	atgtgaccat	169858247
tgtttccgtg	ccacctctgc	cacaggtagt	gaatgccgca	gctcaaattgt	169858297
gcggcagggtt	gtgtggtcac	aggaaataac	agaaggagcc	ccggttaata	169858347
tctcagttgt	atgtggcctc	atttttgcag	gccctgtccc	agagtcagtc	169858397
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atgctgggag	cggagatcct	gggagcccgg	agccagctct	gacatgttca	169858547
gcgggcccgtg	cagggtcagg	ggcatgctca	tgggtccttc	actggcatga	169858597
ttactaatca	tcaggcagcg	gcagggttac	tgttccctcc	tcccctccct	169858647
gctcacttcc	tcagggtctt	caggctgcag	gagccgaaga	gggaaagacc	169858697
ctgcgtgcac	cctggcaggc	tgataatcac	agctgcagcc	cccaggcact	169858747
aaaaggatgg	gtgggagcat	catccaccac	tcaaagggct	ggggaccctt	169858797
gtccctccca	tgtgcatcca	tctctcctat	ctctgagtc	ccagtgaact	169858847
gctgcctccc	tagagaaaca	gtgctagaag	tcagtggcaa	gagcagcagg	169858897
aggacttgga	gctacatgca	gagtggtgagc	tccggagtca	gaccagctga	169858947
gttcaaggcc	agctccacca	tctattcact	gtgacttcag	gaaggttgct	169858997
taacctctct	gtgccttagc	tgccctcatct	ataaaacagg	aaacaatgag	169859047
agtctttcct	tatggggcta	ttgaaatgat	taagtgaagat	caggcatgtg	169859097

FIG. 1C3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atggcacaca	gtaagaactc	cataaacaga	ggtcaccact	gctaattgcaa	169859147
ttattctatc	acctcaggag	actaaagcag	gggaggaaac	accattgact	169859197
cctggacatt	tacccaagga	gattatggat	ccatgttttg	cacacacttt	169859247
agaaagacaa	ggaattctaa	ccacagcatc	tgtctccact	gcccccgta	169859297
tttcagtctc	acccgtccac	cctcaacctc	accactgtgg	cccggaaatg	169859347
cggttgcccc	gggccactct	caccccacct	cagccctgct	ctgctcaagt	169859397
ctcacttcca	ctccttccag	ctcccatccc	tttctacca	gctccaccct	169859447
gatttctcca	ccatgacctt	taccctccta	gtctgatcta	gaccctgat	169859497
cttgccgagt	atctaggact	ttggtgcctt	tgaccctcag	cagcagaggt	169859547
agagagggat	ctcgggtgaag	tctgggatgt	tatagtgact	tgtttatcta	169859597
agtgccttga	gactgtgagt	tccctaattgc	agggagcatc	aacctctgca	169859647
gagagcccca	gagccctgct	caggtgtgat	gaacaggagg	cactcacttg	169859697
atgccctcac	aaagtgtgtga	gtgaatgaat	gaatgagtga	atgaatgatt	169859747
gaatgaagat	tagtgattat	gttaatgacc	tgcccttttc	atgagccttg	169859797
caacctccca	ggtaccacac	taaagcactt	aaatgcttcc	actcatttaa	169859847
tcctcatagc	aaccctaaga	cataggcgta	attattgtac	ctattttata	169859897
gatgttgaaa	ctgaggatca	gtgaagttaa	aggcacacag	ctaagggatg	169859947
aatggataaa	atcctttacc	ataacctttc	ctccttagga	caaagtttct	169859997
tcaccaactg	tccaaggctg	tgtttcaactg	gggagagtct	gaaattctac	169860047
accaagcatg	agcatgtgtt	catgcagcat	ggtaactctg	ggggaaaagg	169860097
ttcacagggt	ttatcagata	cttacagttt	gttagaacat	atttgaatcc	169860147
atccatctaa	ccaccctgct	cctttcaatc	cacccttctg	tccaccccca	169860197
gacagccatt	tgatcaatat	tcatgaaata	tctgccttgc	gccaagcata	169860247
gtgctggcac	ccatgaattc	cctggtctcc	agaaatatcc	ttccccctct	169860297
ccctgactac	ccctgcccc	gcctcaccac	acacacactc	cttgaggat	169860347
ctgggtaact	gggagggtt	taccgccagt	gtcccagctg	cgtgggtggc	169860397
tgactctgt	ctgaactcat	ctcagctctg	gtggagactg	tggcagcgca	169860447
gaagcgtgca	gggggaatcc	tcaggcagcg	gagccatcag	gacatgaagg	169860497
gcagagcctg	tgccccggt	tccccggctt	ccgctgcagt	ctacatcagt	169860547
cctgctccct	ccagaacatg	atcaaccggg	acagatgagg	ccatgcttga	169860597
tgcataagga	tgagccagg	gagagctgcc	tcccaaacc	aagtcctatt	169860647
caaaggctct	ttcttccctc	tggggaggta	ggggagaagg	tccaagcaaa	169860697
gggaactgga	aggggaaagt	gaggcatgga	gtttgtgttt	tctgaatcag	169860747
gactgtgttc	cagccaggga	gaccctgtgt	caggcacttt	tgtaatcacg	169860797
atcactttca	gcctcaccct	gcgacctcca	acgacattgc	tgagattgtt	169860847
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ccaaagtcac	aaaacaaatc	cgggacttta	agcctgatct	gcttgacctg	169860947
aaactcatat	ctacttccct	gccctctgaa	gatctatatg	tcctatgtca	169860997
tcacttcaact	gttcacacaa	ggtgatacct	ggcttctcca	agcacctgct	169861047
accctgaact	tactgcacca	ctctttcctt	cctagCCTGA	ATGCAATTTG	169861097
CAATGAGGAG	ATGATTTGAT	TTTCTTCAGC	CCTAGACCTC	CAGCTTCCTG	169861147
AGAGCAGgta	ctcttgcttc	ttcttgctca	ttattgatcc	atatatttag	169861197
aatagcgctt	ggcaggtaga	tggtgcttaa	taaatattca	ttgaataaat	169861247
gaatgaatga	atgatccaat	gagcccaaaa	gcaaataaca	ataaaggaca	169861297
tttgagaggt	gctctacaga	gagacaagtg	ctttcccttt	actttatctt	169861347
acccatttct	cacaacaatc	ccctgacatg	attgggttca	tgtttcacag	169861397
atgaggaggc	taacggccag	gtgtacatac	caggggacat	gggactgggt	169861447
tcatatgagc	tcaggggtaa	atgatgacac	cctttcccct	gccctgaagg	169861497
atctcagttt	gagtatttgt	agcacactta	ggatgttctg	ggccaggctg	169861547
agtggcggtg	gatgggggog	gtggaggttg	ggatgcaaaa	gcaggaaact	169861597
cggcctttgc	tttctaaaag	ctcccagctc	atttgaggcc	agacttatgc	169861647
atgcagaaca	tttgggaaat	ggtacaagac	agcagcaagc	atagtgtctga	169861697

FIG. 1D3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

attgcacata	atcaggtgcc	aactgcattc	ccttccttaa	ctaattctgag	169861747
tcttttaata	ccagatgggg	accctgagaa	tagatttcct	atcaaacaga	169861797
tgaagagcaa	agatggggagc	cgagggaaat	gctgtggctt	actcattttt	169861847
ataccctgt	aaccagcat	gatgtctggc	ccacagcaac	aggaataggg	169861897
cagtccacct	tcaataatgg	gccactctat	gtgccaggca	cctgctaagg	169861947
gccccacaaa	catcatgtca	ccaatccctc	acagcaaac	taccacttac	169861997
taaaggaatt	atgaaagtaa	tccacaagaa	gctgaaagca	gggttcagag	169862047
atcgtactca	tcatgcccac	agtctcagag	taaaggggca	agctcagtgt	169862097
ttgaacccaa	ttctagcagc	ctcccaaatt	aatgctctca	atctgactct	169862147
atgctacctc	tgtgcctgga	aggaactact	gttgctccata	aggatgagaa	169862197
gaaacatggc	taagggagca	ctgagtaggg	aggaaggagg	cagcagggag	169862247
gaagaaataa	attaagaaag	aaagagatac	aaagaggaag	aaaggagagg	169862297
gggagggagg	gaaagaacag	ggcttgtgtg	ttacataaac	tcagacaagc	169862347
acatgcatgt	tttaacagga	ttcctgcagg	tctgacaatc	tcactccttc	169862397
ctccctgaac	aaccttagag	gggttgccca	aggagtccca	tatagaggct	169862447
tatggcagaa	ggaaggcctt	gcgtccagaa	ccttctgagc	tcatggattg	169862497
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agtctgggtg	gcttatacaa	cagaaatcta	ttttctcatg	gttctgaaaa	169862597
ctggaagtcc	aagatcaagg	tgccagcagg	gttggtgtct	ggtgaggcct	169862647
ctcaccttgt	gttgcaactg	ccttttccct	gtgtgctcac	atggtatctt	169862697
tgtgcgtggg	gggtctttgg	agtctctcct	tgtaaggaca	ctaactctat	169862747
cagatcaggg	ccccaccctt	atgacctctt	ttaaccttca	ttagttcctt	169862797
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agggattttg	gagggacaca	aacattcagt	ccacaccggg	gtgcatgagg	169862897
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tcagggtagc	ttaggggagg	cttcttcagc	actccctctg	cacattcatt	169863097
ttgtcactcc	ctctctcccc	atgcagttct	ttgctctctg	ttgcaagttc	169863147
ccaggaggca	ggcagagggc	ctgttatcat	catctttctc	tcttgcccct	169863197
cacacttacc	tgtgttcttc	tacttagaca	cattctttgt	gagcatctca	169863247
tgggtgatgt	tggctgcatt	gtacagtggg	cacgtgcgta	tgtgtgtgta	169863297
tttatctgca	aataataccc	atgtcacaag	gcgtccgcag	gaataaatga	169863347
gctattgtgc	atgtaaatat	ctggtacatg	gtagatacat	gaatgaatga	169863397
atattttgtt	aataaataag	tgaatgaatg	aatcttcact	tggcagagca	169863447
tgtgtcttcc	tttaaggggc	aaggatgatc	tggtaatcat	cagtttctgc	169863497
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tcagcatagg	ttggctgcac	ccctgtcaga	aaccggagg	taagcagaaa	169863597
gtagagaggt	aatcagtat	gtaaagcagt	taaaacagtc	cagagggaga	169863647
gacaggcaag	gaaaggaaca	atgagaaaca	aagtaaggag	tgctctgata	169863697
agaagccctg	ggtgctatgg	aaaccacaag	cagggcaccg	actcagggcc	169863747
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ggaacagcac	gtgcaaaggc	cctgaaggag	aaccacaaca	cgcactctgag	169863897
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catgttcaat	ggttttgatt	ttattttggg	gacttcactt	tatacctact	169864047
gttcagaggc	agccaattgc	aaacacgtcc	agaagcactt	tgctattttct	169864097
gatctgcaaa	atggagcaag	tcatctgtac	tctgcttctt	cagtgggttg	169864147
tggggaagca	gaaatgagag	gatgacattc	tagccttttg	tgacctctca	169864197
agtgtgtgoc	ttatgggtcat	tcaggtacca	tgaataattag	cagagcccca	169864247
agggggaagt	agcttgggtgc	tcaccacagt	gtatccctga	caagttggca	169864297

FIG. 1E3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aagacaccca	gggtggctta	actttctcct	cagcaaagag	ctctcctctg	169864347
ttccctgaat	cctggatata	ccactgggtc	ctctagttag	cccaagcttc	169864397
agcctcgcat	gccctcttct	cgaacagaga	aggcaggagg	gaagcagggg	169864447
ccagccccctg	ctccatcttc	caggattcca	ggcctccctg	gcctggacaa	169864497
gccctgagct	ggcagttagg	agagcagagg	ttgtgaatct	ggtgggaccc	169864547
ccagcagggtc	tttctggctc	agtgcctca	tctgtgagca	gGGGTCCCC	169864597
AGGAGACCAC	GACAGAGGCC	TGGAACCCAA	GTTCTAATCC	CACATCCTGG	169864647
CTGGGCAACT	TCAGGCAAT	TTCTAACACA	AGgtaagcct	caatttctct	169864697
ctggggtaat	gatcaggcac	ctgcttaatt	cacaggggtt	tgggtggcat	169864747
cacgtggaca	atgtggttgc	acagcagtgg	gcaatgcaaa	ggaaaggaag	169864797
tatgttagta	agtgcctctc	ccctgttgca	caaaacagga	cacatgctgg	169864847
gattgcagaa	aagcaataaa	tgctgcacag	gtgaagaaaa	ctattcaagg	169864897
accctggcca	agtcacaggc	tacctgtggc	cctgagggga	cagctcatgg	169864947
gttggcatta	ggggaagcag	ctctcaaggg	gcctgtatcc	tggggattca	169864997
actctgtgcc	tatgtggcat	tgagcctgtg	tgaatgtggt	gactgtcatg	169865047
ctgttttgct	gtgtgtgcgt	ctgcatgcct	gtgtgtttgt	gtgtctctcc	169865097
accttcgtgg	ggggcaactg	taggtgtatt	atgagccttg	ggtctgtctg	169865147
tgtgtacaat	agcaatgtct	gtgcggaact	aaggacctgc	gcccataatg	169865197
ttgtgggact	ttctgggcat	gcatgcttgt	ttatgaggcc	atacatccgg	169865247
gtattctgtg	aactgctagc	atggtgtgta	tctgtgtggc	agacagaaaa	169865297
tggctgggtg	ggattgtagg	gggcagcttg	ggcaaaggat	cctcagtgtc	169865347
aatcaaaatg	ggtctcagtg	ggaacccaag	cagctcagac	ttggggggagg	169865397
ggaagctctt	cctccacctt	ccaggagaca	aaccttgcaa	ttcaacacca	169865447
caaggctttg	agtccacagg	cagggacgca	aactttgccc	attgggtgag	169865497
acgccactca	cagaaggga	atggcttctt	aaatctaata	attgcccctt	169865547
caagcactaa	caaccctgtc	ccaggagctg	atggctaata	aattattgag	169865597
ctggaaaggg	agaagaggta	gaaccaagga	ggaaagaaac	agaaaaatga	169865647
gagagcaggc	cgggtggggg	ggctctcgcc	tgtaatctca	gcactttggg	169865697
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ggagaatcgc	ttgaatctgg	gaggcagagg	ttgcagttag	cagagatcgc	169865897
accactgcac	tccagcctgg	gcaacagagc	gagactccgt	ctcaaaaaaa	169865947
aaaaaaaaaag	aaaaagaaaa	atgagagtgt	aagggcccag	aggggctgag	169865997
ggctcctttc	tcctcccca	ctccctgtca	ctagaagggtg	ggccctgcca	169866047
taggaggatt	ctgcagaacc	ctcaaggacc	cgcgaggcag	gacggcacct	169866097
tcttcccatg	accacccatt	tggatgtgtt	tttcacccct	ttctgggtgg	169866147
ggcagacttt	ccccctcccc	atgagttcag	gcagtgggtt	aaataagatt	169866197
tcccttgaag	tcgaatgaaa	tcacaatgca	ccacacacag	ggacacacac	169866247
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cacacacaca	cacatacaca	cacacagtct	ccctggggcc	aatctactgc	169866347
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cgcaggggtg	agggcgcagg	gctgggcgtc	ccccgcccc	accgtgcagc	169866497
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ccgccccctc	cgccgctccg	actctcgccc	cgagcgctgg	cagcaggcag	169866597
caggcagcag	gcgggcgcgc	tgtggctccg	cgccgcgcgg	tccgggctct	169866647
gttcattcat	gattggtact	cgccctccg	agaccagcc	cgagcgagg	169866697
gaggggagcc	gagtgtgcgg	caggaggggc	gggcggacgg	cggctcccg	169866747
accgcacgcg	gcgctggctc	ggcagcctcg	gcccggcggc	cgctctggcc	169866797
ccgtgtccag	tgccaggcag	gcttcagggc	accgtcctcg	gccctgggag	169866847
agggaaaccgc	cgggcggggg	cctcgcgcgg	ggaagcggtt	ccgaaggctc	169866897

FIG. 1F3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gcggggagcg	gctagccctg	agtcacctga	tgtgcggggc	tgaagaagga	169866947
agccagaagc	ctcctagcct	cgcctccacg	cttgctgaat	accaagctgc	169866997
aggcgagctg	ccgggcgctt	ttctctcctc	caattcagag	tagacaaacc	169867047
acggggattt	ctttccagGG	TAGGGGAGGG	GCCGGGCCCG	GGGTCCCAAC	169867097
TCGCACTCAA	GTCTTCGCTG	CCATGGGGGC	CGTCATGGGC	ACCTTCTCAT	169867147
CTCTGCAAAC	CAAACAAAGG	CGACCCtcca	aaggtaagcc	accttcttcc	169867197
ttttgttccc	ctgtctgggc	ttgggggtgc	taggcgccga	ggtgggctgt	169867247
gccacctgcc	tcccttagtc	cggactctcc	tctccacgag	gagcccgac	169867297
aggtgcttgt	atccaaagga	gagagaaatc	ggcgggaggg	ctggtgtgaa	169867347
caccagagag	agggagccgg	agtggacgtc	tgccccagcg	gcaactggac	169867397
ccctctgggg	caccaggtgt	cgggactctc	ctcctgggga	aatctctgag	169867447
agccgaagga	agcggcatgt	tcacaggtgg	gggtgaccgg	attctctggt	169867497
ggaagtgtgg	tgaagctctt	cccattccca	tgacagctgg	cgtttgagca	169867547
ctcagtgagg	gtgctgccac	actcccacac	tcctcctagg	cggctatgcc	169867597
agggtgcagac	ctgcgagtc	cttcacacag	aagagtgtct	tgtctgcacc	169867647
cccaaaacct	ctgcaagcca	aaaggaatca	gctgctgcca	ggggtaaaac	169867697
tcccaggcct	catgtcctgg	tggctccggg	agtcaggagg	agcaaccgtg	169867747
aagggtctgg	tgcgagctga	gcttacatca	aggattaaaa	agcataatat	169867797
cgtggagtct	cttctgcctg	gacgtctgtc	cttcaccacc	tgtccccagc	169867847
cgaggcatgg	ctgatctcac	catccgtggg	agagtcctca	aatgggtcca	169867897
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caggcctgat	agtgagtaga	agtgtaatgg	ggtaaggagc	cccaagtga	169868197
caataagtct	cctcttagaa	cttggttggt	ctcaccctgt	ttagaaccac	169868247
agagatctcc	ataagtaagc	tgtccttgaa	acccctgga	agaaggggtc	169868297
ccagcttctg	gcccagctcc	caggggcac	aggctggctg	agccccgagg	169868347
aaagagatct	ctgggtgcag	atcttaggtg	ctgaagctgg	gttggcattt	169868397
acatcctaga	acataggaag	aggctttggc	ccatttgtcc	agctgagtta	169868447
catgtcctgc	tggcaaggaa	gggactgggt	gtcctgttac	cagtcctgac	169868497
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cctctcacag	atcctgggat	gctgcttgac	tggggacaat	tttcagcgcc	169868597
aaatataggt	cttctccctc	atcatctgtc	tgaccacccat	gcggtctcag	169868647
aggccagggg	actgtgggga	caggaaagtc	aggggcttgt	ttttaaatat	169868697
tttcaatgcc	tgtggctctc	ctgggagctg	ggtgtcacag	aaagatctca	169868747
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tgggtggact	cccaagacaa	gctatcgaag	cactgggcac	tcagcccttc	169869347
ctgcacaaag	cccactggcg	tgagttgtcc	aggggtccag	ctgcataatgt	169869397
tccccaggt	atttgcccc	gaagcacagt	catctcactg	ccttgcatag	169869447
tggaatgcta	atcagcagaa	gacccttcta	tgggaggcag	cttggaacc	169869497

FIG. 1G3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tggaggaagc	cctggctgag	gaggctagt	gtcagggagc	ctatcctggc	169869547
caggtcactt	ttccccactg	gggcctcgg	ttcttctttg	taaagggaga	169869597
aacttacatt	aggcatttcc	tcaggttcca	tttgggttctc	aaattcta	169869647
atTTTTatgg	ttgatgctct	caccagagct	gctgctatga	tctcagagac	169869697
gtgaggctca	gatctaatta	gaagcaaccg	gaagagagca	gttgggattt	169869747
ttcaactcag	gaatcagtct	ccctgctggg	ttcaaatca	ggctctgcca	169869797
cttactagct	gtatgactaa	gccttgTTTT	cctcaactat	aaaacagaga	169869847
tagtagtagt	taccatctta	aaatagctgt	tgtgttgtgt	ggatttcaag	169869897
gatcatgcaa	gtcaagcatt	tagcacagtc	tctgctacat	aagtggtcag	169869947
caaatttgag	gtactattca	atTTatggct	ctattgtttg	gggcttccaa	169869997
atgtccagag	taaggccatt	ttcgaagtag	gcagtacatc	tgagagcctt	169870047
aacagctcat	ttctggaaac	cttatccagc	cctatccaga	taactaggac	169870097
caaaaacccc	agcacacaga	tgctcgtccc	ttgcttcaac	cctcactgac	169870147
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cctgaatgcc	ttgataatac	aatttagaaa	catacatagt	ttttaaatag	169870247
ggcaaaaaact	ctgcatgatt	agtgtgTcaa	gaagatatcc	agcccaacct	169870297
gggtgttcag	ggagcgtct	ctaaaggcaa	cagaaatcta	aagtaattta	169870347
agagccatgc	cactgaataa	aaatattcag	gttcatttcc	tgtccttctc	169870397
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tttgggattc	agcctctgca	tcccagTccc	agatagaatt	tctgactcta	169870497
gcagttttgc	atgtgcatga	cacaccaagg	acactgctcc	tggccttgaa	169870547
tgggtaagt	agacaggcta	gggcattgag	gagaaccaga	ggaggaccat	169870597
acaggtgcag	ctgctgggct	tgTcagcggg	gcaggagaat	ttagggacaa	169870647
catcactaga	ccaaggccat	ctcaacagag	aattgcctag	aagcaaataa	169870697
tcccacacta	caggggtggc	tgggttagaa	atcctccatg	accgagtgca	169870747
agcatgcaga	actttctgaa	agggtgagc	ttcggatctc	cagaatagtc	169870797
atagcatagg	tgagctatga	ctcaacccca	tggctatcag	atgctttttc	169870847
taaggccaca	cggtgagtta	atagggtact	ggTtaataata	gggccaacaa	169870897
tgggaatgtt	ccgtagatgc	ccatatttgc	tcctagatca	atgagcacct	169870947
cagggaaactt	atggaagcag	agtgtacctg	atgagactgg	gtttagggtt	169870997
tattggTcag	ggcagcattt	tcaacctaaa	gatatgggag	agtgacaaga	169871047
gacagacagg	catagagaag	cagtagccgt	gtTgtcacat	agtccTgagc	169871097
ccaaggggca	ggcctttggc	aagtcatTtc	accttgTaaa	tgctagtTtc	169871147
tttatctgca	aaaggagaat	cctgatgtat	agaaatgttt	gtgctttTgt	169871197
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tccaagacct	cactcagcaa	tttccatatt	caggaagcct	tctccaagcc	169871347
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tacattttct	tatgactcac	aatcgcgctt	ggaattagac	aatcaacgga	169871447
ggtgttaacc	ccctttcccc	accaccagag	gtcagggTtc	ttgggggtag	169871497
gagctcgtct	aactcatcct	tcacaactct	ctgcttggtt	ctgtgcacat	169871547
agtaggtact	taataaaaa	tttccTagag	taaactataa	ataatggaat	169871597
ggttgccac	tctccattat	ttgctagaat	tgcagaccct	gcaggaaaag	169871647
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ctgttgTctg	gtctgctggc	tttgaattga	ctttgtccat	gaaatgtacc	169871747
gaatctgttt	accatttagc	aggaaagtgc	tgagaacagt	gattctactc	169871797
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cacagttctg	gtccctcaat	cccagaagaa	gctcaatgga	gctcaagata	169871897
aacagaaaga	gagagatgga	aaagaatgga	agacagagga	gaaggactta	169871947
ctgcctaaaa	tcagtgggat	tgttttgact	tggtctctgg	aaaagggcca	169871997
aggcttagac	ctctttgtct	gcctgggaagg	gccttgctcc	atgaatgctt	169872047
tgtaaattctg	taagtgaata	agtgagcata	tgctttaaca	aataagtga	169872097

FIG. 1H3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

aagatgaatg	attgaatgaa	tgggggaagc	agtaaaggag	tgaatgaatg	169872147
aagcaacaaa	tgaattatca	actgaatgac	agaaagaatg	atcgaataaa	169872197
tgaccacatg	aatgaatgaa	tatgtccata	aatgaatgaa	tgatgaagtg	169872247
ccagaacagc	tataattaac	agcctatctt	ttcacaaaga	gcattgatag	169872297
tcattctccc	aaagttgaaa	aatataaatt	cagtcaagaa	gagtcctggt	169872347
aatttttttg	atactggtag	gtgtatagtg	tctttggaga	aggtgaggag	169872397
atgtctctaa	gttttcactc	ttttgctgaa	acaaaagcag	ggactgactc	169872447
acagtgattc	cccttgctct	cccttatatt	tcaggttcgt	tcacccttgc	169872497
ctgggtgaga	tcagaatctg	tatatattatc	cactcattta	tttgttcact	169872547
tagccagtc	cacaattgtc	cttcagcatt	gcttccctgc	ctaagatcca	169872597
ctctggcttc	ctcatcctcc	ctcttcctcc	atctcctcat	tcacctggcc	169872647
aactcctact	tatctttcaa	ggcctcattc	aatgccaccg	ctctgggaag	169872697
cctttcctgg	cttctgtagg	cagagcacat	ctctgccttc	tctctttccc	169872747
catagctgct	gctgcttccc	ttaactacaa	ttctgaacac	actatgagg	169872797
tgctcattatg	ggtttacaca	tttatctctc	tgactagctt	tcaggcactg	169872847
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ctgatgttcc	cattcatcag	gcagggaagg	aacagttttt	agaaaagaga	169873097
gagagagcct	aagagtccta	gggccttcag	agaaacatct	ctttaaatgc	169873147
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ggtagtcagt	tgggatattg	ctagcttccc	gtaccccagc	catgggagta	169873247
gtactttgga	ttaaattctt	ttattcaagg	ccagactaaa	agcctcattg	169873297
gtgcgggtgg	gggaagtagg	aaccacattc	cactcaaatc	aggaagctag	169873347
aagtaggatt	gcattatggc	tatgagcacc	gcgttaaaat	aagagtcttg	169873397
ggattgaact	ccctttcatt	ggttcatagc	tgagccttcc	caggcctcag	169873447
tttctctctc	tataaaatgg	ggacagtggg	ccaggtatgg	tggctcacat	169873497
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acccttggt	atctccccat	ccctttgagc	tgtggcctct	gattccagcc	169873997
ctctgagatc	ccgagccacc	atatccatgg	tactggcat	tctaagcagt	169874047
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ctattacagt	tctcattttg	cagttgagga	acctgaggct	ctaaaaagg	169874297
aagtgcctta	ctaagggtca	tagagcttgg	gaatcgaga	gcctggttct	169874347
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attagcaaat	tcattaatag	gattaaacat	ctctcctctg	ctctaatacat	169874697

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttatgtgaac	taaaatttttc	tctcttttgtt	atagccatca	ttgcctgtca	169874747
gtgaagatag	agtgttttaa	tatcttccaa	gtatgttaga	attgcaaacg	169874797
ttcagaacca	gggaccagga	tcagagtttt	cacacggtcc	aggtgggcaa	169874847
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gaacttgcta	gtacatttgc	aagtacctta	ctgctcatct	cctttctctc	169874947
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ttaaagtgtg	ctcctccaac	caacagcctc	agcatcagtt	gggagcttgt	169875297
tagaaataca	gagtcgccgc	caggcgcggt	ggctcacgcc	tgtaatccca	169875347
gcactttggg	aggccgaggg	tggcggatca	tgaggtcagg	agatagagac	169875397
catcccggt	aacacggtga	aaccccggtc	ctactaaaaa	tacaaaaaaa	169875447
ttagccaggc	gtggtggcgg	gcgcggtgtg	tcccagctac	tcgggaggtt	169875497
gaggcaggag	aatggcggtg	accagggagg	tggagcttgc	agtgagccga	169875547
gatcgcgcca	ctgcactcca	gcctgggcga	cagagcgaga	ctccatcttg	169875597
gaaaaaaaa	aaaaacctca	actcagttag	acctaccag	tcagaacctg	169875647
cattttaaca	agatcaccag	atgggtttata	tgccactgg	agtctgagga	169875697
atactggcct	aaagtacaga	ttatggaact	atgtgtattg	tattacacaa	169875747
aattatatat	caagccagaa	gaggcttttg	ctaagacttc	tgatttaagc	169875797
ctcattttac	aaataagaaa	atagaatcca	gagaagggtg	gtggtttgcc	169875847
cacaatcaca	cagctcaagt	gttaggcctg	acatccgaac	cccagccctg	169875897
gtcatctcat	ataaattgtt	aagaagtcag	atttccagat	ttgcatttct	169875947
gcaatcaagc	ttgtctgttt	ttctttctct	ctctttcttt	ttaacaacaa	169875997
agaagtgcag	gatgatgtac	gcccattatg	ttttagttaa	ctcattttta	169876047
atgttattcc	agccaacaga	gacctgaat	cttgactcca	ccagccatca	169876097
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ccacctgggc	tcctgcctgc	agctggaggg	catatccagg	acaagcaagc	169876647
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gaaataaaat	gtgcttttcaa	aacacaattt	ttgatgcctc	tactttgcta	169877247
gtgctttaag	catctcttga	gtgtgcctgt	gaggatattc	agcattggag	169877297

FIG. 1J3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttggaaccag	acaggaaaaag	gaaagaaacc	gatctgtatc	gggcacctgc	169877347
tgcatgccaa	ggactgtgca	aggtgttgac	aaaataacaa	cagtaacaaa	169877397
cataacattt	aaatcgtcct	tgtgacattt	atatagcaat	ctgtgccaaag	169877447
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accctatgtg	gtaggtagt	tgattattcc	catgtaacag	atgaaatctc	169877547
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aacagtgttc	acaccagctt	tggccacttc	caaagccctt	gatgttgaca	169877697
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gagcattgaa	tcttgtcctg	atcttctcag	ggaccctctg	tcattcccga	169877847
ttgcctattg	catctgttct	cacctgggtac	taccattccc	tcctccctgg	169877897
tttttccctt	gctaagtgc	cactctatac	gttggtccat	atcatgtagc	169877947
ctctgctgga	ggcaagtctg	gttcccactc	gccttccctt	gaagaagaag	169877997
ctgctggaaa	attagagtta	tgttggacac	agtccttgtc	ccaaggaac	169878047
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ccaggattcg	aaccagatg	gtttgcctcc	agtgcctgca	tgctgaatca	169878297
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gctggagaat	tagagaagat	ggccgaaaga	ggcggcatta	gagctcaaca	169878447
aaagagctag	gggttggccc	aggcaagaat	gtaggttagt	gaagtcttag	169878497
gcagaaggaa	caggataagc	aaagtcacag	aggcaggcaa	caagaagggg	169878547
aaagaaatga	aaactgacag	tgatgttttg	tatgcttgtg	acttgaggga	169878597
tgtaacaga	aagaggatgc	catcagaagt	gggaggcaag	gagcagagtc	169878647
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agcaaggatg	aggaaagcac	caagcaagta	gggatcgaga	ctgtgccctc	169878747
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cacgcttgac	tctccagcaa	gagtgcctt	tcctcagaga	cctggacctt	169878947
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aaagactggt	acttggtgac	ttgaactgat	atttcacaga	gatgcacaaa	169879047
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actttgagga	tctccccac	ccgccaacag	catattcaca	agatacgaac	169879147
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ataacagctt	agagctgatg	aagagaaaaa	gatattggtg	gttgggtgaa	169879247
atagaactga	aggccagtcc	tagcttaccg	tttaggagct	gtgtgggttg	169879297
aagaaattgt	ttagccccctt	tctgcataat	agcttcttca	tctgttaaac	169879347
aataacaatc	atggtatcaa	ttcattggat	tgtcatgagg	attagtgaga	169879397
taatatgaat	gtgttttagta	agctataaag	cagtgcatac	gtggtgggga	169879447
tcagtattag	atgacaataa	tggatcatagc	aataataatg	attttgatag	169879497
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acactgctgt	aaagaactac	ctgagactgg	gtaatttatg	aagaaaagag	169879647
gcttaactga	ctcacagttc	tacaggcttt	ccaggaggca	tggtgaggga	169879697
ggcctcagga	aacttacaac	tgtggcagaa	ggctaaaggg	gaagcaggca	169879747
tattttcaca	tagtggttagg	acagagagag	agcaaagggg	ggtgtgctac	169879797
atacttttaa	acaaccagat	ttcatgagaa	ctccctcact	atcacaagaa	169879847
cagcttgggg	gaaactgccc	ccatgatctg	gtcacctccc	accttgtccc	169879897

FIG. 1K3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ggtgacagta	atgacagtag	gggcttcatg	gcaataatga	tgatgatgat	169880047
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FIG. 1L3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1M3

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Replacement Sheet

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atacttgtaa	acaaatgtcc	aagggcgtaa	tcttgaaggg	gcttgtgcca	169891147
ggcatatatg	gagagaaggg	ttttgtggga	tgtcagactt	aatagtggcc	169891197
tttactcccc	acccccgtct	ctctgttcat	agacaggaaa	tctgtggcct	169891247
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ctttaagggg	ttgtgctggc	gctgtctctg	tatgcatgtg	cagaatgtgc	169891397
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cattcaactg	ttcaatagtc	ctgggcagtg	ttattgcatg	ggagaccata	169891497
cctaacccca	aagattgccc	catagtctct	ttgtcagata	aagcataagt	169891547
gagcatccca	tctttgttag	tcagaacctt	ttcagtttca	aacaacagaa	169891597
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gctctcttct	gtcttggctt	cattctcagg	aatgctcta	accttggggg	169891797
tccaagagta	gtcaccagca	gccccatatt	tacagcccac	cagctcagca	169891847
acctctgtgg	gaaagagctt	ctcaatagtt	ccaggaaaag	tcccagggct	169891897
ggctcccatt	ggcctagata	gggttctgtg	ttatgctgtg	agggtgctgg	169891947
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tggggagggtg	tgggaaacca	aggagctctt	accaggagaa	tggatgttgg	169892047
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gtaaagccta	acatcacact	gaggcaccac	ttgccccaaa	ctccagcctg	169892147
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ggtggagtaa	cagtgttgcc	cagagttaga	gcttataaat	ggcagagttg	169892347
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ccatgccact	gctgactaca	gctgggtgtat	ttgtttgtcc	taacccttgg	169892647
agggcagaga	ctaaatttat	tgtttaccac	tctggcacct	agtacactgc	169892697
ctggcacaga	gtaggtgtct	atggctcata	acatgtttat	tgattgttta	169892747
gatggcaaca	cagataaaat	caaaacatgg	aaggttgctg	agactcaaag	169892797
acaggattat	tattgttggg	aatgatctga	tagctaata	gtattatatt	169892847
aataatagtc	aacatgtcag	gtactataat	agaggctttg	cgtaactgct	169892897

FIG. 1P3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ccttttagtc	ctcccagtaa	tactatgatg	ctgatattac	tcttcccatt	169892947
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tcttgcatat	aatgtatccg	gactgcaagg	atggggccct	ctggccccct	169893047
caacacccta	tctgcctctc	ataccaggg	acctgcccac	aaggtcagcc	169893097
ccttggaat	cttgccaacc	ttggggctca	aaattcagtt	tatggcttcc	169893147
caagatctac	tggatgcttt	ttctaagttt	ggagaattca	tgacattatg	169893197
aatccttttt	ccccagggtg	ggtattcaaa	ctcagagttc	cagccacgct	169893247
tgcatccagg	gctcagatag	cagagggacc	tgctgaggc	ttgatttaga	169893297
agggtcacc	tgaggatgtg	gatgaagcgt	gaattcattt	ctggcagggg	169893347
tggcagcaga	ggcagacagc	tctgtggagg	cagaggtggg	gaaattcttg	169893397
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gcactgccaa	atatcttcta	ataaattcct	tctctgcata	aaccaactag	169893597
aatagattct	gtagtttaca	accaagaatc	ctgactgaaa	ccccctgaag	169893647
cttgtgggtt	taggtatgac	catgtgggaa	ggcagcatga	gctctggact	169893697
ataaagagaa	tcagttgagg	atgtggcagc	aaacaggtat	actaggggat	169893747
caacgagggg	aattattatg	atgatgggcc	tttgaaacc	tctgccttct	169893797
acagcagtac	tttgaaactc	ttgtgcacac	agatcaccta	aggatgttgt	169893847
tagcatgcaa	attctgattc	aggagtttgg	ggctgggacc	tgggatcctg	169893897
catttccaat	acccttctcc	acttaagttt	tgctgatgct	ggtagtctga	169893947
ggaccaccaa	tgaggtggtg	aggttccagg	gacgcttaag	cctccagcaa	169893997
aacatcacac	aagacagaag	tgccacttcc	aattgcatga	gataatgaga	169894047
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gagtggtggt	tgctatttgt	acctgtaact	cagcccaggg	agtgtctgaca	169894297
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tttcaacttc	aagtcctcat	tcttgccaag	gggtagaaat	ggaatcttgg	169894847
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cagtttctgc	tgggtgcttt	gttccttgg	cctcagtctt	ctttctgtgt	169894947
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gtcaactggc	cctgcctcag	atccattggc	ctgtacatat	cttgtagcca	169895197
ttgtggtgcc	atggatcaca	ggtcacgatg	ctgtgtggct	gcctctgctc	169895247
ttagacctgc	cccccatgcc	accagaggga	gtgtctgcct	ccccctgccc	169895297
tggacactca	gctggagggg	agggtcacag	tccctcacag	tcccttctcc	169895347
agtgacaagc	aacaaactcc	cagtctctcc	ttctttctga	tcctctctcc	169895397
ctctctctcc	ttctctctcc	cctcctctcc	cagtccaagg	aagtthttatg	169895447
caaaggccag	aggagggaat	aatgagggtg	aggctctctc	gaccaagcat	169895497

FIG. 1Q3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtagccttcc	ggatctgttg	tgctttccag	gagtccttca	aagctctaag	169895547
cttttggaa	tctgcaagct	caggaaattg	aaaacctttt	ctctcacaac	169895597
tgcaggtcct	tgtctgcagt	tgtaaaagtc	tgtttagaaa	ctcaggagac	169895647
aagcagcatc	ttctttgttc	cctgctttct	ggaggcagtc	agcgtggaac	169895697
acctgcctg	cagtctgact	cagggaagg	gtcactgagt	gtgtgtgtgt	169895747
gtgttgaggg	gtggataata	agcaaggaga	acactcagac	agagagctca	169895797
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FIG. 1R3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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gagagcagca	gtgccttgac	cggggtcaca	cagcaagtta	gagcagagcc	169898747
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tcagagagcc	ctgggaggaa	gctactacag	cctttcccat	tttaaagatg	169900647
agaaaactga	ggctctgaga	aggtttcaca	gccagagcta	agcctagagc	169900697

FIG. 1S3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tgccagctcc	tgttcttctc	atcacaccag	gcttgtggcc	ttgattttgg	169901047
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catttcctct	ggtccttga	gtgaaatcca	cactcccaac	cacagacttc	169901897
aaggccgcac	ctgctctgac	cctgctgacc	tcccatcttt	caccactggc	169901947
tgtggcttcc	ttgcactttt	gcaacaccaa	gcttttccct	gctttcaacc	169901997
cccagacctg	cccgtgggtt	gcaatttttg	ggcatccgga	tctcagcaaa	169902047
tgtgcctgct	cctcagaaag	gccttcctgg	ccgttctgcc	tgaagaagcc	169902097
cctgtccaca	tcaagggtct	tgcattctcat	caccctgttt	tattttcccc	169902147
atagcgctca	tcccaaccta	aagtatcttg	tgaacgtgct	gctggtctgt	169902197
tatccattgt	cctcgctaga	cttcaagccc	ccgaagagca	gggacctggc	169902247
ctgcctgttc	accattgtct	ctagcaccta	gaactcaggc	ctggtacagg	169902297
ataggtgctc	aacaagtgtg	taaggacaaa	tgtcaagaag	tacctggggg	169902347
aagtgagggg	ctgaattggg	gggaataggt	tctttggtta	tggcccaaaa	169902397
attgctagaa	gtttaaatgt	gtcttctaag	cccagctctc	tgtgttctca	169902447
aggtcgcaaa	tattaagaac	tcagggtaaa	taaaaatgta	tcctttccag	169902497
tgctgcatg	cccacactga	aatgagaaaa	gattttttta	ataataataa	169902547
taaaggaacg	atctttcaac	ctgctgctgg	gtctcagcgg	ctccacttgc	169902597
ctgctgtgtg	gatctgacca	gtgcactttc	actgcctggg	tctgggttct	169902647
tctgatgtaa	agtaaggctc	ccagtataag	ctgctttcct	tctagattcc	169902697
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caaggaaaca	gactcaggag	ctttcctggg	ggcatggctc	cctcaaagcc	169902797
tacgtcctgt	agagacagca	gctgctaggc	ttcttggata	gagtgcctgc	169902847
ccccagtgcc	actcctcact	ccaccctgca	aaagtctcaa	aaggatatgtt	169902897
gaggcacagt	aagcaggctg	ctagagccca	gcatacttac	agccctgagg	169902947
ttgtcagaca	atgagcctcg	tgatgagtta	ttgcaccaac	agctgttgcc	169902997
cagccctgct	atgtggatct	tggggacaat	aatttatcca	caattacact	169903047
ggagagcatg	gtgcttctca	ggtaacaggt	ggaaattcac	aagcccacca	169903097
tgtgatgaag	acctgccctt	ccctgaccac	aatgctatga	gtaatgactg	169903147
agaagattgg	gcagcccatc	ctcagtaatg	caggatgcac	tgtggcccat	169903197
gtctgaggca	tctgaaatat	cagaaactcc	agtgggctta	ccatgggtccc	169903247
actcctgcc	taatggttgc	cttacagtgg	ctttttcttc	caaaccaact	169903297

FIG. 1T3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgccttcaac	tgcagaaggt	gagggtcccca	aaacaccagt	aggccatagg	169903347
atagtgtgcg	gccggtagaa	taagaacctc	agacacttcc	cacttcccct	169903397
ggtagagaag	gtcttagtgg	ccacaccgaa	aggtaggtgg	aggctaacag	169903447
atctaaggct	gcccagtggt	ccatttctgc	actggatatg	aaatgtgccc	169903497
tctctgagcc	ctctctctgc	ctcagcgatc	tcctctatag	aatgggggta	169903547
tagagataga	caatctcata	tgtgatctta	ggcaagttca	gatctcacag	169903597
tttccaaact	tcagtttctc	cagctatgaa	gtatgagctt	gataatcttg	169903647
gctgtgtgac	tttggacaag	gcccttccac	tctctgagcc	ttggtttccc	169903697
atctataaaa	tggggccaatg	gtaggggtgg	gaaaaggatg	acctctgagg	169903747
tcccttccat	acagctgcct	ctgattcttc	attgcaagtg	acccagtgtt	169903797
ccatatgacc	catagccatc	tgtctgtcct	ttgtgcccag	cctgaagcat	169903847
tccttttggg	ctgggtcattt	ctcaccgctc	ccccctggag	tctgccccaa	169903897
tcattttctca	gtccttctga	ctgtgaagtg	tctgtctgaa	ctcataatca	169903947
gcttttagct	ggtcccaaac	agtgaagtgt	accagctcca	ttaatcccac	169903997
tgacagggat	ttatctttct	cagctgaatg	aatgatgctc	ccagccttgc	169904047
cccagaaatg	tgggctgggc	tattcaaacac	ttgtcaccag	caagctcttt	169904097
tcctgaggct	gcatactcca	gccacccagg	tgactgagta	ctttgtcatc	169904147
ttcttctcag	agcagtggca	gaaccacaaa	gcaaactccc	acccatgacc	169904197
caccacacca	ccttctgacc	tagtttggat	gctccaagcc	ataatgataa	169904247
agtaatgttg	tgaagaggga	aagagggttg	cagtcagaca	gcctgaaccc	169904297
aggttctgcc	atgtacaggc	tgaagcttgg	caagcctctg	cacctctctg	169904347
agggtccattt	gcacctctct	gagggtccatt	tgcacatcta	caaaaatgcg	169904397
ataacaccta	cctagcagag	ttcttaggag	atccagataa	caaattgaaa	169904447
acatgccaga	taatgcctgg	cacatttttag	aagcttgaga	tctactactg	169904497
gttctcttcc	agttctccca	tcgtagtaat	atcatctaca	gagcaagatg	169904547
gggaaaatgc	tcactgccag	atccccattct	aaagaggat	ctccatctac	169904597
agatttattg	cacccgggct	cctagccata	cgcccaaaag	tcaaaactgaa	169904647
caaccagtaat	aatattttatt	cagccattgtc	acactgaact	gaggacctga	169904697
cttaagcaac	aattcagatc	tgccaacatt	tactaagcac	ctactatgtg	169904747
gcaggccgcg	tcgtgacccc	ctggagagag	aaagatggat	tggaaagtgt	169904797
agcatcaaaa	ttaacagctt	ggtttgggaag	tcagacacac	ctcaggtgaa	169904847
gatatggatt	gagtcataaa	ctccccatgt	ggcactgggc	aggttcatca	169904897
cttgaactct	ctagacctca	gcttttaaat	ctaaaatgtc	ccatagagtt	169904947
gctacaaaaga	ttacatgaga	tatacactta	gcaaagtgcc	tggctcacag	169904997
taattgtcag	aaacagaaaag	tgtcgagact	caaccctgca	tggaaaagaa	169905047
aataggacac	acatactatc	ttagtccatt	caggttgcta	taatagaata	169905097
ccttagattg	ggtaaagtag	tctcccctta	tccacagggg	atatattcca	169905147
agaccccccg	ttggcacctg	aaatcacaga	tagtgccaaa	ccctatatgt	169905197
actatgtttt	tcctatactt	atatacctat	gataaaggct	aatttataaa	169905247
ttaggcatgg	taggagatta	acaacaataa	ctaataataa	aatagaacaa	169905297
ttaccacaat	atagtataat	aaaagttatg	tgaatgtggc	atctctctcg	169905347
ttcactcgct	caaaaatatct	tactgtattg	tacttactta	ttttcaaact	169905397
gcaagtggcc	atgggtaact	gaaactacgg	gaagtgaaac	tgctgattgg	169905447
ggggactact	gtaatttact	ataatttata	aataacagaa	atgtattgca	169905497
aagtccaagg	tcagtgcaca	agcaaattca	atgtctggtg	agggccagtt	169905547
cttcatagat	ggtgccttct	agctatgtcc	tcacatagaa	gaagggacaa	169905597
agaagctctg	ttaggcctct	tttgtaaggg	tactgatccc	attcatgagg	169905647
gccctgcctt	cgtgacctaa	tcaccccgca	gatgctccac	ctctcaacac	169905697
cactgcaatg	agtattaagt	ttcaacatat	gaatactggg	ggacatgagc	169905747
gttcacgcct	atgtaaatac	tacacagaaa	gatgtttatc	aggtaaaaga	169905797
aagtagacac	ggacagtcct	catttttcta	agaataattg	gtaccagtac	169905847
aaataccact	taaagagaaa	cttcttaaaa	caaatgttga	ctatttactg	169905897

FIG. 1U3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgatagtga	ggaaaaaggt	tggagtaggg	ccaaatcttg	aaaaaataaa	169905947
attgaaagca	caaaaaataag	tctttttttat	tgtctagtaa	caaaatgtag	169905997
gttttagtgt	caaatgagtt	aattttttcc	attaaaaata	ggaattacca	169906047
agtgttgact	ttgggggagg	catggcacat	tttttagaca	aaatcctatc	169906097
ttagcacagt	ctaacagttt	tgattttgtt	tgactttcac	agcacaataa	169906147
ataaagaggg	tcattttggg	caaataatttc	caagctttat	ccattttccc	169906197
ataggcctct	tccaatcggt	agaagataac	atttttctcc	tttgaagcac	169906247
ctgacaactt	tgtcactttt	ctcttcttcg	gttgctaact	agtttaactc	169906297
tgccagtttc	tcattttgcct	gtagttaaat	gtgaatggaa	aagttatcca	169906347
acaatacttt	tgctattttt	atgaaatcct	gaatctgttt	aaagatttgc	169906397
acttttcctc	ttcatcaatt	tcctttgaat	ttccattaca	tcatcagaca	169906447
tttacaacaa	ccaacaagcc	gaaggaaacc	aatagatcta	ggttaaataa	169906497
gtaaggctag	aaaccagcgt	taatgggagg	taaaacttaa	gcgtgcataa	169906547
aacgtttaag	tgaccggctc	attcgttaagt	atttttgtgt	tatgaagatt	169906597
tttacttctc	tatcaaacct	tgtaacctca	gagaattgaa	taatgacact	169906647
tagttgtcaa	attcaagata	accgacaaga	gaccgggcgt	ggtggctcac	169906697
acctgtaata	ccagcacttt	gggaggccga	ggccagcgaa	tcacctgagg	169906747
tcaggagttc	tagaccagcc	taaccatcat	ggcggaaacc	caattttctac	169906797
taaaaataat	aataataata	ataaaataac	tgacaagaat	ttctaaagta	169906847
gttcagaata	gaaagcttac	taagttgatt	catttaattg	ttacccttga	169906897
tattttaaca	tgtactatta	catgttaaca	tgtaccact	aaatgtctag	169906947
atctcattga	tacttcattt	aactcctgaa	caataatagc	ttttcagtgt	169906997
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actgttgggt	ttatttttag	caccttccca	tttgtttttc	tatttgtact	169907147
atctcttctt	tcttctctta	tttcttcatt	cctgtctttt	caaaaattaa	169907197
gtaaatagtt	ttattattgt	atttttttcc	ttataattgg	ttcttgtttc	169907247
acattcctga	attttgtgca	gtggttaccc	tataagtttt	aatatatata	169907297
tttagtttat	tatagtgtat	ttttaagtta	agacttttac	ttcttctctga	169907347
acaatgcaag	aacttttaca	cagttaaact	cctgtaccca	cttctttctt	169907397
tttgtgtctg	tgttaaacat	tttacttctg	catagttata	aatctgataa	169907447
gacattattg	tcatttttaa	cagccaatat	tcttttatac	taacccaaat	169907497
atctctcctt	tgtagtgttt	ttcattcctt	cttgcaattt	tgtgtttctg	169907547
gattgataaa	ttttccttca	gcctgaagat	tcttatttgg	tatgtccttt	169907597
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agatttttct	agagtccatc	agtgtttgtt	gaaaaatcca	ccttattggt	169907797
gcttccttga	aggtaatgtc	ttttttcttt	gttactgctt	ttgagaactt	169907847
ctctttacct	ttgttttcgg	catttttgact	atgatatgtg	tagttatgat	169907897
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aaattttgct	tctgcccagt	ttctcttctt	gccttctggg	actccaatta	169908047
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cttttaaatg	tcctttctct	tttctctctg	gttttaattg	gaattttacc	169908147
tattgttctg	tctttaagtc	actgacccta	tagtctgcta	tgtccagtct	169908197
gctgtaaacc	catatagtaa	gtttgtacta	ttttattgat	tccaagtaac	169908247
tattaacaga	tactagattt	gagaaggcta	tatgtttttg	ttcattttgc	169908297
ccatcttttt	ctctattctc	tttaacagaa	taaccatagt	caaagtcctg	169908347
tctgatgaat	acaatagctg	ggatcatctat	ggatctgttt	ttattgttag	169908397
ctttcttttt	ctctttgtct	tgcttctttt	ctttctcttt	cttgcttttt	169908447
cacatgcctc	ataattttga	ccataagctg	gacattgtat	gtaaaagaac	169908497

FIG. 1V3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgtggaggtt	tcagctgata	cattccacca	gagcagcttc	cccctttcct	169908547
ctgttggaga	gtcaggggtga	aggctgatga	cctcagctcta	gtcagaaatt	169908597
taagaggatt	gcagtttgag	aaagactgaa	tcgaccacct	ctggcttttc	169908647
ccatttcctt	gtgtggtcct	catggctttg	gctgggagcc	tagctagtct	169908697
ctgtctcctc	agccctaaaa	gcctgaagag	attcagtcct	gctctttaga	169908747
agttttgagc	ttttctggct	atcttcaaaa	tctggcaaat	atcttgaggg	169908797
gaaaaacagg	gatttatgtc	aggccctttc	tctctctcat	ggaatgttgt	169908847
ctcctaagtc	ccgtgagttt	agcagaaatt	tcattccaac	cttccatcct	169908897
catttcccag	ccacctgagc	tgcatagagc	acttagcagt	gtcctatgcg	169908947
ttaaagccaa	cagtcacttg	gcttcttata	tttcaggctt	ctcttgtttc	169908997
caatccatca	tgccagccct	gcacaactgc	caaaagtgtc	gcttggtttc	169909047
tgctttctcc	agtagacaac	ctctgcttgg	gccaatgcca	gtcctcaacc	169909097
cacgtccaga	atcagcagtt	gcccacaggg	aagaaaactg	tcaggagtta	169909147
tcagcctaca	gaggaccac	tttgtcctca	tttccacagc	tttctgatgt	169909197
cttcaaat	tctatttttg	cggcttttct	tttttttct	taatagtgtg	169909247
tgcaatagg	gagtcagcct	gccacaatct	actacatctt	acctggaagc	169909297
aataccttat	cttggttatt	ttaagtcaac	aaattagaca	ttattattat	169909347
taatatatac	agcaatat	agagtcactc	gcacataaat	attaatttag	169909397
agttaatcac	atatttgctt	tgtattcctt	tttgaatctc	tgactttcta	169909447
tctgtgctaa	ttttccttct	gactaagcca	catcttttag	aatttcctct	169909497
gtgaggacct	gttttattta	ttcaaacata	aaaaatttgt	ttgctctcat	169909547
tcttgaaatg	taatttcact	aagtattcat	ttacagttgg	tcaattgttt	169909597
cctcttgaca	catggaaaat	atcattcctc	tgccctctggc	tttcattgtt	169909647
attgttgaga	agacagatgt	tagcctaatt	gctattttat	tgtagatggg	169909697
ctaacttttc	tctctaacta	cttttaatat	ttctccgtca	caggttgtga	169909747
tgttactttc	atcttctgga	attgttcttc	cacatcttat	catcgtcttc	169909797
cattatttcc	atcttctgtc	ctctagcttg	ttttatttat	aactatctaa	169909847
gagtttacta	attgtctcct	tagttctttg	ctccatctat	atctgtccat	169909897
tgtgacttaa	aatttccttt	ttttaacttt	tattttaagt	ttaggggtac	169909947
atgtgcagga	tgtgcaggtt	tgttgcatag	gtaaatatgt	gtcatggggg	169909997
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acttataagt	gagaacatgt	ggtattcagt	tttctgctcc	tgtgttagtt	169910197
tgctaaggat	aatggcctcc	agctccatcc	atgttcctgc	aaaggacata	169910247
atcccccttt	taatggctgc	atagcatttc	atgggtgtata	tataacctcat	169910297
tttctttatc	ctgtctattg	ctgatggaca	tttaggttga	ttccatatct	169910347
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tcttccacaa	tgtttgaact	aatttacact	cccaccaaca	gtataacatc	169910547
gctccttttt	ctgcacaacc	tcgccagcat	ctgttatttt	ttgacttttt	169910597
aatagtagcc	attctaactg	gtgtgagatg	gtatctcatt	gtggttttga	169910647
tttgcatctc	tcacttaaaa	ttttgaacta	atgtattttt	catttctaga	169910697
tgctctatat	ggttattttt	caaactctgct	aagacatttt	tatagtgtct	169910747
tattacttgc	tgaaatgttc	aaacctcttt	tatttcatta	agcatataaa	169910797
ttttgccatc	tcattttctg	tgctaataaaa	aattctaata	tcggaagctt	169910847
taataatcag	attctgctat	ctctttttcc	tgcaagcctt	atctcacagt	169910897
accttggttt	cttggtgtgt	ttacaattgt	tgacagtga	tattcttttag	169910947
aactttatcc	ttgataatta	ttagaggaat	gaattaaaa	ttcacttctc	169910997
cggaaagtac	tgtgtttgca	ccttttaata	actcaagaga	ggtaacaacc	169911047
caagttcatt	ttcaattaaa	attttcat	gaggtttttc	agaccacaaa	169911097

FIG. 1W3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cccatgtgag	agctcacata	tggttacaaa	ttcttgaaga	aaatgaggct	169911147
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ttctgtgtta	gttcacttct	cattcacctt	tgtattaaag	gtctagctct	169911247
ttgaggttca	agttttatgt	tgggacctct	tcccacttgg	tagggcctgg	169911297
gttttaccta	ctgggtttct	aagcatatct	tgtggttaac	atcagaggcc	169911347
aggagactca	tcagtgtata	attaattctt	gtataactaa	ttatttaaag	169911397
gcagtggacc	tattcactag	cacctgctt	tcggagtcac	tgaattcatg	169911447
tttgccctca	gctaaagcca	tcctgaacct	ctttagatgg	gagaaccctg	169911497
atgctggtac	ctgtagcatg	ggggctgggg	ctggagaagc	caagtagtac	169911547
actagggacc	tcacggtcac	tgtgagggat	gggggtctct	gcttggcttc	169911597
tgaacaccca	aaagtaagct	cttctgcctt	cactccatgt	ccactggagc	169911647
ctgggatcct	ctcataagaa	gctatattta	ctctaataaa	aaaaaatctc	169911697
acctgggctg	aaaaagcgta	tgctatacat	gagccttggg	taacctaaac	169911747
tttcatccag	agtttcaagg	attaaattcc	taagtctctt	ttaaagcaaa	169911797
gagaagttag	ttccagtcct	aggccatgat	aatgctcttg	gctgagaaaa	169911847
cctccttcgt	ttttttaaaa	tatggattct	gagggtgcaa	gtgcagtttc	169911897
gttatatgga	agtattgcac	agtgatgaag	ccatggcctt	tagtgtacct	169911947
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acccccctcc	tctgttttaa	ggaactggca	tttatgcaac	taattgataa	169912047
aattatcatc	tgtctcttaa	ccagattaat	agtataatta	aggaaatctg	169912097
ggatgatgat	agcaggttta	ctgttgatga	aaccattgaa	cacttgattt	169912147
aaccatttaa	cagtgtttct	gaaagtatgt	tccttgaaac	actagaccat	169912197
gaaaagtcct	ttatgttgaa	atatgcttaa	gaaatattat	atgcttgaaa	169912247
cttctcttgg	aaactcacga	agtatattag	acattaaagg	ctctaagaaa	169912297
tcctgcaata	aagaagccta	tttaatttta	tttgactcgg	tgttttcaaa	169912347
ttatgtgtga	ccacagaaat	agaaggaact	tggaggagta	ataattcatt	169912397
ttttgggtag	aattcactac	tgtcacagat	atttgtatgc	tgtcaatgaa	169912447
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attgttggat	cacagccgtg	gaacaggccc	cagagctggg	aagttgactg	169912697
ggcagttggc	tgttgatatcc	agcctgggag	atgcaaaaatt	tattgacata	169912747
actgtacccc	tcaagaggac	cataaagaag	accaagcaga	aacacacttg	169912797
gttctggaac	agaaaaaagt	ttatctagga	aaggaagttt	aggaaagact	169912847
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tctgagaatt	cctcccaaaa	caatccctct	aaaagtgcct	gattcataat	169912947
ccagtgaatg	ttaacaggaa	tgacgatgat	gattatgatg	gtgatgatga	169912997
tggcaatgat	gatgatgggt	atgatgatgg	tgatgacaat	gatgggtgat	169913047
atgatgggtg	tgatgatggc	aatgatgatg	atgggtgata	tgatgatggg	169913097
gatgacaatg	atgggtgatga	tgatgggtgat	gatgatggca	atgatgatga	169913147
tgatgggtgat	gacaatgatg	gtgatgatga	tgggtgatgac	aatgatggta	169913197
acagtgatga	tgacaatgac	aatactgggtg	atgatgatgg	tgatgacaat	169913247
gatggtaaca	gtgatgatga	taatgacagt	actgatgatg	atgatgatgg	169913297
tgatgatgat	gacaataatg	gtgatgacaa	ggttgatgat	aatgggtggg	169913347
atgggtgatat	tgggtgatggc	aatgatgata	gagtttaatc	tgcaactcct	169913397
tcccttcact	caatgctatg	gccaattggc	caccaagaac	tgtgagtcta	169913447
cttcataagt	aactaactct	taagctcatc	ctttaatttc	tttgaacag	169913497
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tttaagtctg	ggtacaggcg	cactcactca	ctccgtgcac	ttttacactt	169913647
ttatgccttt	tttgtgttct	tctctacttg	tgttttctcc	ttcttgtctt	169913697

FIG. 1X3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttagcaagac	atgtactcat	ccttcagggt	ccagctcaat	ggtgagagcc	169913747
tctctggggc	tttggctgat	ctcaccctgg	aatgcactgc	aatgttcctt	169913797
tgcctagggt	cctgcaatgc	tttctccatt	tatctgtata	accctcacca	169913847
cttctaagat	tacgttatta	tctgagtctg	tggtagagga	acataccaca	169913897
tctgacctac	ggttcattgc	cagccccctc	ccagagtggg	acactgaagg	169913947
cacatgggca	actgttgcaa	acgtgcaggg	taaatgcacc	cccatggagt	169913997
gacagctatg	cagaccagag	cccccttctc	ccaggttctg	tggtgcccac	169914047
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tctgagtgtg	tgtatgtgtt	tgagtgtgtg	agcgtgtgtt	gtgtgctgat	169914547
gtgtgtgtga	gtgtgagaga	gaatgtgtgt	gtgtgtgtgt	tcatgccgat	169914597
gttcacgatg	ggctggagg	aggaccagtc	ccctactgct	tagatcgagg	169914647
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tcttggcgct	tgaaataaat	gaactcattt	attcacacat	tgaggccaca	169914797
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attttcatag	ccacttcaga	aggtcagaac	tatcattatt	cccatttcat	169915947
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cactggccat	catttacatc	taggcagact	gaccagaat	ccatgttctt	169916047
ctaggctgta	catgatacca	cctgctctcg	gttggttcag	agctggcaca	169916097
gtggaaagag	ctctcctcag	cgggctggag	catctcttgt	acgcccagag	169916147
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gtaagactca	cctcagagga	agggtggccc	tttcattcct	agctgcaatt	169916247
ccttacaagt	aagaaggaga	gggcctcaaa	caggaaacct	ggggtgaaga	169916297

FIG. 1Y3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtgaacctc	agatgcctat	cttgtttaac	cttctgtctc	caggcttagc	169916347
acagtgcctg	gtacagagga	agtcctcagt	aacattgttg	agtgaacgga	169916397
tggatagatg	tgtgtggacc	cgggttcac	cttcacatga	gaaagtccgt	169916447
gagatgttta	catccaactc	aatatctagc	acatacaggt	ggacaaggca	169916497
gaaaggcaat	gtcatggctc	ttgccctcac	actctagggc	ctagactggg	169916547
gtgacaatgt	ccatgcttac	atgtcctgtc	taaggaaagc	agctcccgtt	169916597
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tttaaaaatc	gtgtgtatcc	caaagaaaat	attatctaag	ggtgaaatcc	169916747
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ggcccagaat	ggggactggg	ttggtgaaga	ctaagaagaa	tgagaagctc	169916847
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ttccccaagt	ggagattcac	cagccatggc	cagactcgag	gatgtgagat	169917197
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aggagcaagt	gctttctccc	ttgctgtgct	gccccaaact	tctttaagga	169918247
ggttaccctc	atctgtcaaa	cagggatgtc	cctgtctgtc	ccacagagtc	169918297
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ttgtcaaaat	cgctgtgcta	gaaaaccacc	ctccttactg	gttgtgttcc	169918847
aggggttccc	aaactcaagt	tcttcttgga	ggagctgcaa	gaaatgattt	169918897

FIG. 1Z3

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaggggtgata	gcaaggaaga	atgcatctga	gatgccaggc	tcaggagatt	169918947
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cctttaggtg	ttgtctgcat	ttcccttccc	tttctggtca	gggaccccag	169919047
ctctctctgc	atggattctc	ctctccagg	ggtggggggt	gggagccgat	169919097
gtcaacaggg	aagaggggca	gaggaacaag	gacagggatg	gggagaggaa	169919147
gaaagaagga	ggtgggatgt	ggcagctggg	cccgaagca	ggctagagcc	169919197
agctgcacag	ctctgacaat	ctaaagtgtc	tcttccgatg	gtctccattc	169919247
agccccatct	gcagatagct	cattttgtga	atgaggcctg	ggtgtttgtt	169919297
ccagaacctt	agctgtgatt	aggaaagaca	ggagcacttg	ggaggcccca	169919347
ccttcaatgc	accagagtat	ttctagaccc	tcattctgca	gtcagctcta	169919397
gctgccacat	caggggaattc	ttgctgggtc	gtagcctgga	ttccaattgt	169919447
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tggagagcag	ggaaggcctc	gtggacaaca	tcctatttga	gccacatgac	169920197
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taatacaata	aaacaaagtg	cttataaacc	ccagagttgt	ttaaaaccca	169921397
gaaattgcc	attgacatat	gggactatat	cttcttagcc	cctagtaaac	169921447
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FIG. 1A4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tcaccttca	aagtccagca	caaaaatccc	ctcctctgtt	aaacttcaac	169922097
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gcctggcaat	ggtgatgctg	ttaacctgat	gtgtcagggg	tctgaataaa	169922347
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tcctctcagc	ctctgggctt	ccagcagaaa	gcacacgaga	gcattcttgt	169922797
tggttttctt	atgacttgag	ccagcagagc	gtacatgcc	agcacctgtt	169922847
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tgacatttaa	atgtcaatta	gaaagtcccc	gctctgcttg	gctggcccct	169923797
gcatcctcag	atgagaccgc	cctcctccct	gccttgccag	ccctgctggg	169923847
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gaggactctt	ggaacagaga	aaggaggagg	atggtgccag	gccaccacca	169923997
aaggcacgtg	gaagggggct	gggcaaattg	tgaaggagca	tgtgggagac	169924047
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FIG. 1B4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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gttgagttcc	cactgcgtgg	tgggcattat	cctaggaact	gaggctacaa	169924347
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ccataaccac	gtcacagtgc	actgtaaaca	cattacgaac	cagctatgca	169926647
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FIG. 1C4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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tgggacgtgg	tattgttctt	gccatgggag	gtgggagatt	cttgtccatc	169927247
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FIG. 1D4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Replacement Sheet

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aattgttggg	attcctttta	ctggccagac	tggaggagga	cagagagcac	169934197
gtccatctga	ctcaccacag	tccagggtta	agcagggttg	ccggtacatg	169934247
gcaggcactc	agtagacaat	ggctgagtga	gttatgtcaa	taatgggacc	169934297
gtgcttaaat	gtggacattt	ctgggggctc	agggaatagg	tcattctgtg	169934347
ggccagacaa	agcatgcaag	tgagcagagc	tggcccttcg	cctacaaaat	169934397
accgaagaat	attccttcaat	atcacaagaa	agtatctttt	ccatcatttt	169934447
tcttgaaaaa	tgcacccctc	ctgatctatc	tttcatttcc	tcacatttaa	169934497

FIG. 1F4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tagagatgtg	aatacagaga	actatatctc	tactataaga	caaatagcac	169934547
cctacgcaca	gtaatgacag	cccaagtagt	ctacttgtag	gaacaatgaa	169934597
aggaagtgat	gggggctggg	gtgaatggag	gtgcaccgag	cctgtctaaa	169934647
gaggctgctg	cttctcaacc	tcagcctggg	attgcccaag	gaaatgtgaa	169934697
ccagtgcagc	cagatttcct	gacttcaaga	ggagctggaa	atcgactgta	169934747
tgcgtaatgt	cccaattttt	aagagctgcc	tcaattgaac	acgcacaggc	169934797
acaaacaaaa	acaaaataaa	caagccaaat	gcaacatctg	ctgagaggtt	169934847
ttggttcttg	gattgcaacc	tctgcacaca	ttttccctact	aaataaagaa	169934897
aagctccttg	cagatggacc	ccggtgggac	ctccaatacc	cggaatgcac	169934947
cgaatggctg	ggatttggtg	ggcccccata	ccctcccttc	ttgcgctcac	169934997
agtgttttct	tgaagcttca	gcaaacccca	gcgccaaagg	aaaaatattt	169935047
ataacctgac	taggcagcgc	ttaaaagatc	aaggcatacg	tgggtgtcag	169935097
aaatcactcg	cacattgttc	ctgtttcctc	tctgccatag	gatcaaatgc	169935147
ttccagtttc	aatgattaat	cgctctcag	ttttcaccac	aagttgtaca	169935197
atgttatttg	ctgaaacaga	aattattcatt	tcaggactct	gctgctggaa	169935247
caaacacaag	ctctggggcg	gggctgatga	tgactgatgg	cacaggttgc	169935297
tgcacatggt	tctgtgctat	cggattcaaa	ccacccctga	gactgctctc	169935347
tttacagatg	ggactcaggg	aagctcaaac	aactatccaa	caacaatcat	169935397
ttagtgtgac	tttattaatg	gccactatcc	atggaatggt	tactctattc	169935447
cggatacggg	gccaggaaca	ttacctatac	catctcattt	aagcctcata	169935497
acacccactg	ttatatattg	gaaggagcct	tggcagtaac	attttatact	169935547
tgaataaact	gaggcagaga	agcccaaggc	tgctaagcag	cagagcagag	169935597
gggccagtcc	ccagcccaga	gctcccacct	cggctctggc	attgctctcc	169935647
tatgcaagac	cctgacacag	acacacacag	tcttttccaa	gctggctggg	169935697
caaggaacaa	tttcttttgc	agaaactcga	gttactacaa	ggcttctgtg	169935747
gacagtctag	ggtaatatgt	gtactttaat	tatgcacctg	gtgtgttatc	169935797
tatccttggg	agttgggaaa	ggtgatgctc	tggcggctctg	gggaaatctg	169935847
ccctctgaaa	ttcgaggact	cttgaatctc	ttgcctgggg	cccaattgag	169935897
catggttgct	ctccaggaat	gtcccagggc	agtgcctctc	taactcaaat	169935947
cctggggagat	attctccagc	gtctatgaat	tctccaggta	acctctttac	169935997
aaaatttaaa	attttttcatc	aaataataat	catgtaaaca	tcaatttact	169936047
atttttaggtt	gtctgtttta	atcaccttat	aaccatctat	gttgggggtc	169936097
cacaaactac	agcctgtgaa	ctaaatcagc	ttccaacctg	ttattctaag	169936147
gtctactact	gaagaatggc	ttcatgggtc	taacccattg	agaaaaaaaa	169936197
aatcaaaaaga	aaaataatat	ttcatgacac	ttgaaaagta	tatgaagttt	169936247
aaatttcagt	gtccataaat	aaagttgtat	tgagacagca	gttctcattc	169936297
atctgtagct	gcctttgcaa	aaaagacagt	ggagttgagt	cattggaaca	169936347
gagaccttat	ggcccataga	gccataaata	ttactatat	gggccaagac	169936397
agaaagtggg	acaattcctg	acctatgcaa	tgtgatgtta	gtggcttatg	169936447
tttgtgtctc	cagctgagtt	gggtactctg	tctgttggtg	ttttgttcaa	169936497
gttcttggtg	tgcaacctct	gcataaattt	tctgtctaaa	tagagaaaaa	169936547
ctccttgtag	agggacccaa	gtgggacccc	cgataccag	aatgcaccaa	169936597
atagctgggt	tttttacttt	tattgccata	gggctaata	gaaaaataaa	169936647
aatagaggag	gactcaggca	cttagaacat	ttgcagctac	agaaagcagt	169936697
aagtcctcac	attattgtct	acaggttctt	tgatattgca	actttattaa	169936747
gtgaaaagac	atataaagaa	accaatttga	ccagaagcta	attgaaagaa	169936797
atgagttaag	ttccttgggc	atatttctgg	gcacaaaaac	atcaccaaac	169936847
ttctaaataa	agacccaaaa	cacttgtaac	actaagcatt	aaaataaata	169936897
tgagctatac	atgcatttaa	gaaagattaa	gcaaaacaag	tcagataatt	169936947
atttacccaa	gttttggtgaa	ttagcgagtg	ccagcagtca	tagtggtggt	169936997
ctgttgatc	aagggaataaa	tgtttgaaa	caaaagttgt	caggagcacc	169937047
tcctcctacc	acacagttca	aaaacaatta	cagatatggc	aggctcgcca	169937097

FIG. 1G4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agcacttcca	taccacatgg	tttattgcct	tgcatttgta	cgattatctt	169937147
ctgctttaca	aatttttatt	ttacaattac	ttttattcat	tgactgattc	169937197
attttccaat	ccacttattc	cagttcaggg	tcacaggtgg	ttggagccca	169937247
tcccagcagc	tcaggggtgcc	aggaaggaac	ccaccctggc	caggacgcca	169937297
tcccatggca	gggcacactc	acacacacct	acatactcac	actgggacca	169937347
caccagttca	cttcacatgc	acagctctgg	gacgtgggag	gaaactggag	169937397
tccctggaga	acaccctgtc	agacatgggg	gaaacgtgcc	gattccacac	169937447
agacagtggc	tctgccaggg	tttggtgttt	gtttgtttgt	ttttcatcaa	169937497
tgttatatga	agcaacagta	ttcgaagacc	tgctgtacag	ctttccagca	169937547
gttccaggaa	aaaagagccc	tgggagactt	aagccatcac	agtacaaggc	169937597
agtagaggca	gggtgaaata	gaatggaaaa	aaaaaatgtg	aaccacact	169937647
gcagtcatac	tgggaagcagc	aatccccattt	caaccaaaca	acctcacatt	169937697
aaactaatgt	tgttaatttg	aagtttattg	gttttgcagt	cgtattttgtg	169937747
tttaatttgg	aaatttggtt	cagttttata	gctgaataag	agctaaaaag	169937797
cataaggatt	ttatacctaa	gttttatgtc	tgtacatatt	aagtaacatt	169937847
atggtaaagt	caacacttac	tgaaaatgtc	ccctttaata	gggcatatgt	169937897
tacttaagtt	taagcaggaa	aaatgggttt	aagaaatacc	aattgtatta	169937947
tatctttaaa	tatgtgtgag	ctgttcaaag	ttgccacctg	gcagaaaatt	169937997
caatctcagt	tacatagggg	agttcctacc	cctttctagg	aaagggctct	169938047
gttaaataag	aattctaagc	ttaagttgga	gacaggttct	tgggttgggg	169938097
cagtgatcat	tttttaatct	tgcttgtagt	cctacactgc	ttttgtgtgt	169938147
gctgatctgt	ccatccttta	ggctgtgtct	tgcagaatgg	ctcaaaatca	169938197
cccctcactt	agtcctccca	cttgcttcct	ttgtaccccc	tcagcccact	169938247
ttgcttcttc	ctctttcctg	gacaaaggga	gcacagttgt	tctcaacggg	169938297
cctttagaag	caaaattctg	gcttgacttt	ccaatgtggg	agtgggagag	169938347
gactgctaaa	aataattggt	ctttcttctt	agcaattcac	cttattacaa	169938397
ctgttaggtg	gaaaactttt	ttttcgtttt	actgaaaagt	ttaacccagg	169938447
cactgaagag	ttagattgta	tggacctctt	ttaatcatct	gctgagttct	169938497
ccaatgtatc	agtttagctat	tgctgtgtaa	caaatcacc	caaacgcaat	169938547
gctctacaac	aataaaaatc	atttattctg	ctcactgcct	gcagtttatt	169938597
caggcatttg	atgagacagc	ttcttcctgc	tccatgtgga	gtcagctggg	169938647
tacttgaact	gggacatgga	tgatctactt	tcaagatggc	ttattctcag	169938697
ggctgccaaa	tggataccgg	ctatcagttg	aaagctataa	gcagggggcac	169938747
tctgcataag	catggctcat	ctctacaaaa	gctcctcccc	agtctccttg	169938797
tttgggcctc	acagtgtatg	gtaacctcag	ggcagtcaga	atgtgacaac	169938847
taaagacttc	aggagtaagt	attccaggaa	gcaagatata	agctatgtgg	169938897
ccttctaaga	cctagcctca	gaggtcacat	agtgtaacct	ctatcacacc	169938947
ctattggtag	atattgtaac	agaagcccac	ccagtttcac	agatggggac	169938997
atagactcca	tttcttaata	ggtaactggc	cagagttgta	aaagagcatg	169939047
tgggatggaa	gatattgttg	caagcatcct	tagcaaatac	aactggacat	169939097
acccaatgca	agcacaggat	tgatcctcca	ctctgcccc	atacccatg	169939147
atttattagc	cactcggaca	agtgacttca	actctccaag	cctctgtctc	169939197
ctccactaaa	gtggggacaa	atgagtatta	caaatgagac	cattaaataa	169939247
gataatacat	tttaaaaatt	aacctggtac	ctgtcacaaa	gtacatgcct	169939297
aacaaatggt	tgcttctgtc	tcacttcctc	aatttcatct	cagtcaacct	169939347
ggactgactc	aaaatggcat	tcttcttggc	tgcccccttt	gaagtatttc	169939397
tgctgagaaa	atagtttctg	tgtattttgta	aatttacagg	ttgaacatag	169939447
atcattattc	aagcattgct	ggtcgattcg	tcttttcaaa	ggcgggagct	169939497
gctggctgtg	ggaagggacc	cagcaggggt	ctcttgcaac	cctgctctat	169939547
gggtggggga	aatctggacc	tcctctgtgt	ggggttgatt	gaagtgaagg	169939597
gtcaccatat	gtctttccca	agagggtgac	tgacttcctg	ctttgggtccc	169939647
agtttccctg	agattttcct	gaaagccctt	ccggctagcc	cagttgggag	169939697

FIG. 1H4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tgttagtaca	tcagatccca	tgctttgggtg	aaaaatgtaa	acacagacct	169939747
gatttttcat	tttaaatgaa	gccaagcata	ttgctcccag	cagatgccga	169939797
gtgactcaat	ctgtcctctc	ggttctgaag	ggaactgaag	aacaacatgg	169939847
taaaataaag	caaacagcac	at ttattgggt	tgataaaatg	ctgttttagt	169939897
ctaccctggc	attatatgggt	gattgctatg	tggcgaacat	ctgttattaa	169939947
atccagacct	ctgttgccctg	gatacattga	gtcaaaaagct	ggagcggatg	169939997
agaaatccat	ttatgcgtct	gttgcggtg	aatgtcagag	ctcatatgat	169940047
gcctttgtct	tcatttctaac	tgaatctttt	aatatggacc	gtctcacttg	169940097
ttaattctga	ctcaggggca	ataatgtttt	catttgatta	aaaaagggtta	169940147
aagaaacaaa	gaaacagtgt	tttctcaggt	gctctaagta	attctgttaa	169940197
tgaattttcg	gagacagcgt	gtgaatttga	aaagagtagg	actttttaaa	169940247
gagttcatac	tatgaaccca	ataattcaga	tcctagggcc	ttatcctaag	169940297
gacataatag	aaatgagcac	at ttataaga	acaaagatgt	tcaatgaagt	169940347
gttactttaca	acagcaaaaa	aacttgaaag	tcacctaagt	gtttgtaagt	169940397
caagagcttc	attgatattg	actgcaaagt	ccatgttatt	ccatgtgacg	169940447
aatttttttaa	tcaatcacct	cttgatggat	tttaaatttt	ttacaatttt	169940497
ttgctatcct	aaaaaaaaatg	tgtcaatgaa	caactttgaa	ctaccctgac	169940547
taccacttta	ggatagattg	ctagacgtgg	aattactagg	acaaagccta	169940597
tgttataata	ttcactcagt	caacaaacat	gtcttgagtg	cccactatgt	169940647
ggtaggcagg	ctttgctcta	aacctcagag	gccccgtggc	agatgaaagg	169940697
ctctcacctt	cacggagaca	acagagtga	aaggggggaa	agaaaactag	169940747
aggaatctag	tagacagtag	cagatgctga	ggagactgag	aacagtggaa	169940797
aggctacaca	cagggatctc	tgagtgccat	ggttcagaga	tcattgaatg	169940847
aggtgagatt	caaagagtct	gagaaagtgc	ctgatagaag	aggatggttg	169940897
gctctggagg	gacagaagtg	gaggggtgga	gtgggggaa	tgcccttgcc	169940947
tgagtgtata	caggagacaa	atctttctca	ctgggctgac	tgacctcgag	169940997
aacaggccta	tggcccttgt	gtttcttcac	tgccatcaga	aagactgtgc	169941047
acatgaggag	atggaaggga	ctctcaaaaag	agagagggga	tcacagggga	169941097
tgagatccgt	ggagaatcac	cgcagagctg	gcagcgttta	tctaagaatg	169941147
tggcattggg	aaaagtgggtg	caggctacat	tccaggcgat	aaggaccaag	169941197
caatgaaata	acaaataagt	catcttaaaag	ttaaaggaga	tggaacaatg	169941247
acaaacaaat	atggtttcaaa	acatgataaa	tgctatggaa	gaaataaaga	169941297
gggttgagga	gaggggttcta	cttagatagc	ctgatcaggg	agaatctctc	169941347
tgaaaagagg	atggttttggc	taacatatga	atataacata	tgaatatttg	169941397
gaaagagaca	gtcatgaaga	gagattggga	gcgtaagatt	ccaggcagaa	169941447
ggaatagcaa	gagggagggc	cctgaggtgg	gaacaatctt	gatatgcttg	169941497
agggacagaa	agaaagccat	gactggagca	tagggagtta	tctggaaaat	169941547
ggcaggagta	agtgtatcag	tcagcaattg	tcactgtaat	gctgtgtaac	169941597
aaaccatcca	aacctcaatg	gcatagtaga	ggtagctgag	tcaggactag	169941647
aaccaggca	tgattctctt	caaattttttc	tctttccatc	catattcact	169941697
accttctctat	gtacaatcca	ctttctctta	aagtcacagc	agcctcagaa	169941747
tgtattacat	acataagaac	tagtctctaca	tctagatgta	atggctttca	169941797
aacctttatg	agcataggaa	acacctgttg	agctgggtta	gaatatagca	169941847
tttagggcct	tgcctccaga	tagtctgatt	tcacagaaac	ctgcatttta	169941897
aaaaaatcac	cccaaatagt	tatgatgaag	gtgatctatg	tacgacactt	169941947
agagaatcag	tgatggaaaa	ttcaccaaga	acagccacag	gcaggccaga	169941997
agaatggccc	tgccctctta	cttttaggat	taagcagaag	ctggccctag	169942047
atctcaccag	ttaccagtga	tcttgggcat	ttttagcatc	atgtgcattg	169942097
cttcactgtg	ataccatctt	gctggcacag	ccatggaaaag	ccatgagtta	169942147
atgcatctcc	ccatgtaaca	aacctcccct	aggactctgg	tccacaccta	169942197
tctctgctag	attctctggc	attgcaagaa	attcttcaga	ctgccccaa	169942247
agattcgttc	caatctaggg	gctccttatc	cccagctcag	agctggattt	169942297

FIG. 114

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggctcttgct	tggaggcggg	aagccctgct	gggccagggc	ttagaggggc	169942347
tcacaagaaa	tcaaagcaag	cattctccgc	ctctctccta	cagccctgca	169942397
tgcattcttct	ctgatccctt	gcctgagtg	ggggtggcat	tccaaaagct	169942447
cattactggc	ttacatactt	tgccttaaat	cagctcttaa	atgccctggg	169942497
atgaacagcc	ctaaatagga	aagaaaaaaa	aaaaacaagt	ttcttgcaag	169942547
ttcacagata	tgcttggtgc	tttctgtcag	gctaggggtg	agccttctct	169942597
gttctaaatt	tgattttctg	agtctttaag	gaaaaatggc	tactgggtccc	169942647
ctggacgctg	attgcttcag	catctgaatc	tgctccatca	cttctacctc	169942697
caccactggg	tccacgtcca	gtgggtagag	gtaaaagggg	tggagatatc	169942747
atztatcttc	aaaggataaa	actgctctga	gagatctttg	ctttcttaga	169942797
aacactgctg	gaaagtgtt	tcttttagact	acattaacag	aagtaccatc	169942847
tctaggaaga	caagggtgta	ataactaaca	tcaaatgagc	agttcctatg	169942897
taccctgtac	atgtcttagc	caacttcatc	cttgtaacaa	acctggaagg	169942947
caggcactgt	tatcactctt	attcccagg	gaaccagttg	aggttccaag	169942997
aagtcttttg	tgcaaggcca	tgcaaggttg	agggcccca	gtcggtagac	169943047
ttcaggagcc	agaccctcaa	ccccctcact	gcctcccgcc	tcatgctgca	169943097
ctgagcagac	catacccgga	tggtcatgtt	cagggttggt	atcaatgcag	169943147
accacgctgg	gcataattcag	gggacggata	ctcagaacta	tataacataa	169943197
ggaatagagg	aaggactgga	ggatgtatta	acatgaagaa	aaggtagact	169943247
catggcagga	gatgagcagg	gtaaagaggt	gcaagacata	aaaagccaat	169943297
ttcatataca	tgaagattta	tcaagagcca	gaaggccctc	tatgggtcca	169943347
agagttacaa	ggcctaata	ggtgaattaa	tgccagcata	taaggaaaag	169943397
cttttgaata	ctcagaagt	tccaaaaagg	ggtcaggctg	ccttggaag	169943447
tagtaagctc	tccatcagag	gcttggcaac	ttcttattag	ggatggtag	169943497
agtatctcaa	gtacagatac	agatgacca	aataaccact	gaggcacttc	169943547
tgacccaag	tataagagat	tctattgtaa	cgcacaggag	tccatctcaa	169943597
gcagcacact	aagccatctc	cttgataaac	ctaaaggtag	gtattattcc	169943647
tcccagatgc	tgtcttctta	gcctgggatg	caaaagccat	aggatcactt	169943697
cacgtccaac	ccccatcagg	tgatctgtca	tgaatcacia	gttattggag	169943747
ccagatggaa	ctacagagct	aaaagataca	tgaagacacc	gaggcctgca	169943797
gacagggact	aactttccaa	ggtcacagag	ctaacaagt	tcagagtcag	169943847
gctagaccca	ggactcacia	gttgagctca	caattagtct	cacttcctac	169943897
accacctgga	tcatgagtgt	caagaatgaa	ggacctttgg	cagtcttctc	169943947
atccagcagt	gacaaacagg	atgcacttca	tgtgccagct	tttaattcat	169943997
tggtcatggt	ttcctgaagt	gctgttgtcc	agaaatattc	tgaggccata	169944047
tctggatcca	gtggacatga	gtgaatcatt	tatgatgtct	gctttggaca	169944097
cagggtggga	agtgacaacc	tgtgtacca	gggtttggca	gccttgagct	169944147
aatccatctt	aatgactttc	tgacatgct	gcctggaagt	gatattaata	169944197
ttgcaaaaga	gattataatg	tgtgataacg	ttgtagtacc	tcacttatta	169944247
aaataattca	aggatccatc	tttgatgggt	aaaccactg	tctatgtctg	169944297
tttgtgttcc	tacaaaggag	aaccaaggc	tgagtaattt	gtaaagaaga	169944347
ggtttatttg	gctcacagtt	ctacagactg	tcaagaagca	tggatccagt	169944397
gtctgcatct	ggtgtggacc	tcaggctgct	tccattcatg	gcagaaagt	169944447
aagaggagct	ggatgtgcag	agatcacatg	gcaagaaagg	aagcaaggga	169944497
gagggggaga	tgccaggctc	ttttaaacaa	ccagctcttg	ggggaactct	169944547
cttaggacta	atagagttag	aactcacttc	ttacctggac	aatggcacca	169944597
aaccatttat	ggagaatcca	cccctgtgac	ccaaacacct	cccatgaggc	169944647
cccaccccca	acactgagga	tcaaatttca	acagatgaga	tgaggaggat	169944697
caaatatcca	aactatagca	cccacctaac	gaatgcaaaa	gatgtgcagt	169944747
gaccttaagc	cccaacaata	tagagcagat	gacagttgat	atgtagatag	169944797
tttgaatgac	agtttaaggt	agcagggttg	cagggtggctc	caccatatac	169944847
ttgttgagta	gtcctgagca	ggtgtttctc	tgagatcctt	tggctggtct	169944897

FIG. 1J4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtaaaatgag	agataatgac	tctctcacaa	ggttgccatg	agaaatagag	169944947
aaaataccaa	gtactcagca	tagcctaaca	tttagcagtt	gctcaataaa	169944997
tgataggaag	tattggcctt	ataatattgc	atctaccccc	ttctctctat	169945047
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aatgtgctgc	tagagagcac	ataggtcacc	aatctcagac	tattggctctg	169945147
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tgcaggtgac	tgagaagacc	aaggccagga	gggaaggcca	aaaagctcca	169945247
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ggagtttccc	aaagtacaca	cccacagtcc	tacaaattgg	ggaagagcca	169945347
gaggcaataa	atgtgtggga	gcagtcagct	gagaactgga	tgttgaagga	169945397
ttgtacattt	tcttgaatta	catgggagca	aactgcctcc	tgagcctgct	169945447
gtacccaaat	ttatcaaagc	acaaagcatt	tttaaagacc	atttaataaa	169945497
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ttgcattctt	gtctccagac	tttctttctc	tccccacct	tctcatgacc	169945797
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atttataacc	ttcccagtcg	cttgtgtata	ttagatgcag	gagtaagatg	169945947
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aggaggggga	gaagattagg	caagaatgta	aaagccctca	tgggtcttgg	169946047
aatcacagc	atctaagttc	tctccttcct	ctccccctct	tccccctggt	169946097
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tcttgaggct	caataaaact	aaaatctttt	ctcagctttc	ctgttagatc	169946247
accacacccc	gaggaatga	atgctgtgtt	gctgatggaa	aaagggcggt	169946297
gagaaaactcc	agaaatattt	tccggcagtg	tttcttcttt	atctctgtcc	169946347
cccagtagct	cagtgaggta	aagataatca	tcagttttta	attttttatg	169946397
ttattattgt	ggctgcataa	cagttgtaca	tatttatggg	gttcatgtga	169946447
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ccgtgcttct	tagaaattct	gattgttgtt	tgttcaatag	ataaatgaat	169946847
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agcaagagag	gcagctcctg	ggcctgttca	tggtgtgtcg	ggaggccagg	169946947
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aaaagcttac	aatgccaaac	taggaagcct	gagggtcgtg	aaaggtttgg	169947047
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gggacacgta	gagtcaagga	gacagaaaga	ccagcttggg	gagtgggtga	169947147
gtctgcacga	ggcgtggagg	ggtgccacgc	ccccggcaga	ggcagggtcac	169947197
agtgacaagg	acagaaagcc	tggaggggaca	actccgggga	cttagtggct	169947247
ggcagagggg	actcttttcc	ccagtgactc	atatgctcct	ttttttctag	169947297
ctgaatttca	gttttatttt	cagctccaat	cagtggcaat	agaggaatcc	169947347
gtgtgcttta	tttctcctgc	tccacattcc	tccccacagt	ctcccagagg	169947397
ctaacattct	cccattcctc	aaagagaaga	aatccacagc	ccagagcaga	169947447
gcaggcctgg	tggcttcatg	acagtcatca	gtgtggcccc	atctactagt	169947497

FIG. 1K4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gctctccaag	tccagcaatg	tgttaacctt	ttacaggcat	tatcccatgt	169947547
aaccctaac	agccctagga	agtagacact	actagtacct	ataattcaca	169947597
ggtaagaaaa	ctgaggttca	gaaaggcaaa	gtaactgggt	gagggtcaca	169947647
cagctaagaa	gtcgcaaaagc	cagagtcgaa	aatattcaaa	accaaaaaga	169947697
aaaaaaagaa	aaaaaaatct	gagttgaaag	cttgctctct	taacgatata	169947747
gctctggccc	aattaagcta	taaaatgtca	caggtagcag	tgtccttaga	169947797
gaacacctaa	gctgagaact	ccctcatttt	tcagaggggg	ggatctgagg	169947847
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catgttgctt	gttgacttcc	tctggcacat	tccactgtat	tttccccgaa	169947997
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ctcagagggtg	ttcagctcca	cccactagtc	tcccagcatg	gcagtttctg	169948097
cccattacag	gcctacaata	cctgcgagcc	tgtcagcccc	ctgcctccca	169948147
cctctcacc	cccggcccgg	aaatgggtct	gttgttaccg	gaccaatcag	169948197
ggcaccagc	agcgtctaga	acttggggct	gataatggca	tcgtgaatag	169948247
aggaaattag	agctgaatgc	attcacagtg	aatattcctc	ccagggcaga	169948297
cggggccatt	cgctgagtgg	cacatgacag	atgttcacat	ggaacccagt	169948347
cgcagggccca	ccttcactcc	tttcaccagc	acggctgtct	cccagccctg	169948397
gccgtgcttt	agagcactct	gcacccccaa	ccctggccct	ccaagccctg	169948447
caggagccag	tggttctgca	tgtctcctct	agtacctctc	aagcacatgg	169948497
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tgtatctgct	tccaagtccc	aaccttctgc	ctcactgctg	ggcaggcccg	169948597
gcaacatgcc	tgaatctcag	tgcccccatc	tgtaaaatgg	ggataattaa	169948647
taccaccccc	acagtgggtca	tgtgaattca	atgtgattat	gagtgtaaag	169948697
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cagtaccttg	catatattag	gtgcaggatt	aagggtgttg	gattgagatg	169948897
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aagattaggg	aagaatgtaa	aagccctcat	gggtcttaga	aatcacaaga	169948997
gggcaatttg	ttgcagcaga	aattgaatta	cctttggagt	tatacagatg	169949047
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atgccacatt	gttctgtgtg	gctggggaaa	gttacctcat	ctctctgagt	169949147
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agccatgctc	acaaagtgtc	tagcacagta	cttggcctag	tgggtgttcg	169949247
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tcacagccca	gtggggaaga	cagatatata	ggcaacaagt	ttttaattgc	169949547
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gtgggtcatg	cctgtaatcc	cagcactttg	agaggccaag	gtaggcagat	169949747
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atataaatgt	atttcttgc	agttctggag	gtcagaagtc	caaaatgagt	169950047
cttatgggac	tcaaatcaag	gtgttgtagt	gctgtgttcc	ttccgggggc	169950097

FIG. 1L4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tccaggggaa	agtgttttcc	tgcctgtttac	agcttcttga	ggccactcac	169950147
attccttgtc	tcacggcccc	ttcctccatg	tcctaagcac	atccctccaa	169950197
tctctgcttc	tgtcatcaca	tggccttcct	ctgaccctga	gcctctgcct	169950247
ccttctgaga	aagacccttg	tgattacatc	aggttcacct	ggataattca	169950297
ggataatctc	ttcatctcaa	aatccttaag	ttgatcacat	ctgcaaaatc	169950347
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gatcaagaca	ggaaattggc	tttcatgggt	taaggacctg	ttactttgct	169950597
catcaatgta	tccttaatat	tcagaggtca	gatctgctgg	agagtgcatt	169950647
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gaagtatgag	cagagtgcct	ggcctggagc	atagcgcag	gccgatcata	169952647
ggttaagtgt	ggtgttgatt	ttattggaca	caagtttgg	aactcagagc	169952697

FIG. 1M4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ctgcagggat	ggccttgaag	gtaaagaaga	ggtagtggg	agttttacac	169952747
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taccagttt	gggccaaga	tacttccagc	cagggcactc	gtcaaccacc	169952847
ttgatatttg	cccaacacag	ctcctctgag	gagagcttga	gggtctgggg	169952897
ccccatgctg	ctgattaaac	tgatggctgg	gaggcaggta	aagcaagagt	169952947
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aactctgacc	attcctggga	ctgtctccat	ttcaacaat	cagatcccct	169953247
gccagactgt	attagtca	gcagtgcaaa	tgctgtaaca	aacagcccca	169953297
agtgtctgtg	gctgaaacca	tgacagttta	cttctcgttg	ccatggcagc	169953347
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tccttccatc	ctgaagctcc	ccatcctcgc	ccttacctg	ctggctggga	169953447
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tcagctcctc	cagacaatgt	tctctgtcat	tttccatctg	ttcaagctga	169953697
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cttccctgag	tcctaggcta	acctctagca	cagcacagat	cacaagagtg	169953797
atgactgcct	gaccgtgtgt	ccttctctcc	agtagagttt	gagccacatg	169953847
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cacttgcga	gatctcccag	ttcgtttttt	aaaaattgtg	gtaaaatata	169953997
tgtaacagaa	aatttaccat	cttaaccatt	ttggagtgcg	cagttcagta	169954047
ccaccaagta	ccctcagctt	gttggacaaa	cttcaccacc	atctgtctct	169954097
agaatgttct	tcattcttga	aaacccaaaac	tctgtaccca	ttaaacgact	169954147
ccccattccc	tcttccccca	gctcctagca	actaccattc	tatttttctat	169954197
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atgtgtaccc	tggcttattt	catttagcat	aatgtcctca	gactttattc	169954297
atgttgtttg	atgtgtcaga	atttccttcc	tttgtaaagc	tgaataattt	169954347
ttcattataa	gtatatacca	cactttgttt	atccattcac	ttgtcgatgg	169954397
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acacatggct	gtgcaaatat	ctaataattag	tccctgcttt	cagttctttt	169954497
ggatatgtat	ccagaagcag	aattccttgg	tcataatgga	atcctatttt	169954547
taattctttt	aggaactgcc	atattgtttt	ccacagcagc	tgcagcattt	169954597
tacattccta	ccagcagtg	acaagagttc	caatttctcc	atattcctcac	169954647
caacacttgt	tattttctgt	tgctgctgtt	tgttttttta	ttaatagtca	169954697
tcctaattgg	tgtgaagtgt	tttctcattg	tggtttgctt	tgcaggtttt	169954747
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taggttaatt	atccaaggct	acacagctag	aaaatgacac	agcttgtatt	169954997
gaaacatcag	tttttctctt	tccaaacctt	acgcacattt	catgaaacct	169955047
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ataagtggat	gcaagctcaa	ggccacacct	aaagtcccca	ggtgacttga	169955247
tcacttgagt	tagctgctgg	aaacctgggc	ttcctcttct	gcaaaatggg	169955297

FIG. 1N4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gagagaaaat	aaattctcag	tggattgttt	agaagatttg	agcaaagacc	169955347
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tctggacata	ctgggtgcct	cagaggtcaa	gaaaattggc	tcatttactt	169955647
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Replacement Sheet

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FIG. 1P4

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Replacement Sheet

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FIG. 1R4

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Replacement Sheet

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tgtgaaactg	gagaagaaaa	ctgttgaggc	aagagttgac	aaaacttgaa	169966597
gtaggatgga	gaggaaggga	caagttcccc	tggcatggtg	acggcccggg	169966647
ggtgggaacc	aggggaagagg	aggggctttg	caggtgtctg	acttgcccaa	169966697
caggtggcgc	catttaccac	gatgggaagg	gccggggaga	agggagggtt	169966747
ccatttctagg	gaaatctcag	gtcctcgcta	ttaggattct	ttcggttgcc	169966797
agtgactgaa	acccagctga	aatggacttg	ggaacatact	ggttcatgac	169966847
atctggtgga	ggtgaggtca	gggtgcactg	gagccctggc	agcccactct	169966897
gatgccagag	cccatgggga	cagcgggtga	tggtggacac	agtagtcctt	169966947
caagggcggg	gatcggagga	acagaagaaa	ggaacagcag	atgcccactt	169966997
gaggctgagc	agaacattta	ggatccttgg	ccccatctca	ttgtgccctt	169967047
tgctgtggct	catctcacac	ttgcagggag	aagccaatgg	atctctgtga	169967097
atggcgaggc	tttgtatgca	taaatgtggg	ccattttgtc	cccaagaatc	169967147
cctggggggtg	aggaagccac	agaaaattga	ggtcctattc	cctgctcact	169967197
cctggtatgt	agtggaagct	ggagagcctt	tgtccaggca	ctgacagcag	169967247
gaggtttcat	gcagagctgc	tcagggcatt	tcccagatct	gtcccacccc	169967297
tgggaactgg	ctcagtggcc	ttgccccacc	agaagactgg	gaactgcacc	169967347
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gttctgagcc	agggggtctc	cctctttccc	tctccagct	caggaaagga	169967547
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aggcctgggc	ttcgcaggcc	aacttgggtt	tgatttttgg	ctctgtgtca	169967647
caggcctcat	gagatgtgct	cacctcttag	ctccctcatt	tcagaatggg	169967697
gatgagaatc	tgccatgccc	ctgcccacca	gccacctgcc	cacctccctt	169967747
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ttaatttttt	tactgtggga	aaatacacat	aacataaaat	gtactatttt	169967997
aaccatttta	aaggatgcaa	ttcagtgcca	ttaattacat	tcacaacggc	169968047
atgcagccat	caccactatc	tggttccaga	actttctcat	cacctcagat	169968097
ggaagccccg	tattcactaa	gaagccactc	cccattccca	cctcccccaa	169968147
ctcctggcaa	ccaccaatct	gctttctggt	tctgtggatt	tgctatttct	169968197
ggatatttca	tttaaaggca	tcgtgcaata	tgtggccttt	tgtgcctggc	169968247
ttctttctct	cagcaccatg	ttttagggtc	tatctacgtt	gtagcatggg	169968297

FIG. 1S4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcagtacttc	aaccctgttc	tttttttttt	tttttttttt	ttgagatgga	169968347
gtatccctct	gttgctcagg	ctgaagtgca	gtggcacgac	ctcagctccc	169968397
tgtaacctct	gccccctggg	ttcaagtcac	tctcctgcct	cagcctccca	169968447
tgtagctggg	attacaggca	cgtaccacca	cacctggcta	agttttgtat	169968497
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acattccatt	gtgtggatat	accacacggc	tttgtttatt	catcagttga	169968697
tgaacctttg	gattgtctca	cattttgacc	attgtgaatc	atgctgctat	169968747
aaatattcat	gtacaagttt	ttatttgaac	acttgtctct	aattccttgg	169968797
ggtatatacc	caggagtggg	atcgttggct	catatggtaa	ctctgtgttt	169968847
aacttattga	gaaactgccc	aacagttttc	cataacagct	gcaccattgt	169968897
acgatccctc	aagcaagggtg	caagggtatc	agtttcccca	catcctcatc	169968947
aatgttcttg	tttttatggg	ccttcocagt	gggtgaggc	tctttttact	169968997
ttttaatcac	caggcagaga	tctctcaacc	aactataaaa	tgattaaatg	169969047
actgatagcc	tttgatgatca	atcagactgg	ctggagaaca	ggaagatgag	169969097
aggagcctgg	agtccctgac	ccagaagggtg	gccatctcaa	atgttttttc	169969147
catcttccag	ggctgtggac	tgggcagttt	gggacccggg	aggggcaggc	169969197
cgtgagacct	gtctagtgc	catgtgcgac	ctcatccgat	cctcatagta	169969247
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ccacgctcac	agccgtccct	gcagtgtccc	aggccactc	tcacttgttc	169969347
tttgacagaac	ctcatgatga	atgcagcatc	cactgtttcc	ttcttctgct	169969397
gctctggttc	ccctccaccg	aagcactact	ttgtccaaga	aactgctcct	169969447
tcccaccagg	cagcgcccta	ggctggggcc	aaactagcca	gtatcaacca	169969497
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cccaagggtg	tggctctggg	atcagcctgc	cctggttcgg	atctacttaa	169969747
ttgtcactgt	cactttcagc	tcgttatatta	gcctccagtg	cttccatttt	169969797
ctcaggggtg	tagtgggatg	atgaaaacaa	ttcccgtttc	gtagagtagt	169969847
gatgaagagt	aaatgagcta	atcccagtaa	aaagctttaa	ctcctgagcc	169969897
acagtaagtg	ctcagtttat	ctaagcatca	ttatcaaaca	taaacaatca	169969947
tttacagagt	gatgaccacc	gtatgtctca	aaccagggc	tgggggcctt	169969997
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attccaatca	tggcaaagaa	aatgcagtgt	cttctcacga	agggttcac	169970197
cctgcctcct	cagtggctgt	ttcaaggagg	gccctttggg	ttgcccagat	169970247
agactattca	cactgaaagt	gacaatggag	aaactggcca	ggacactcca	169970297
aggtcacaga	gaggtttgtg	gagggtgagat	gagggtctca	gccggcgggg	169970347
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atctacatgg	cttgccaata	ttcttgagga	atgaatttgg	ggggctgtat	169970497
ttgtttccca	tgactgctac	aacaaattac	cacaaactga	gtgggtttaa	169970547
aacaatagac	atftattctc	tcactgccct	gaaggctaga	aggtccagat	169970597
caaggagtga	ggacagaaga	aggtaggcac	tagaacttga	cccagaagcc	169970647
tgtgacacac	acacacccca	catccttctc	cagcccccca	ttatctgtct	169970697
cctaggaaca	aggacaccac	tacattcatt	ccagaaaaga	ccccttttgt	169970747
ctgccagcca	tcctcagagc	cgaaaagcaa	acctttgctg	ctgagagctg	169970797
ctgatagaag	acaggaagc	acagttaaag	gggaacaggc	tcccaactct	169970847
ggggcagcag	atcttttggg	cttcatgtca	tagtattgta	aagacaattg	169970897

FIG. 1T4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cctaagtcag	acaagatcag	ttgtgtgatc	ttggcaattc	actttgtttc	169970947
tctgagcctc	agtttactca	cccataaaat	ggggagaacc	acgtctacct	169970997
gactgactcg	tgatgaagat	gaaattaaca	caaagacaag	gctgggcgca	169971047
gtggctcacg	ccagtaatcc	cagcactttg	ggaggccgag	gcatgtggat	169971097
catctgaggt	caggagtttg	agaccagcct	ggccaacatg	gtaaaacccc	169971147
gtctctacta	aaaatacaaa	aattggccag	gtgtggtgat	gggcaccagt	169971197
aatcccagcg	actcgggagg	ctgaggtagg	agaatcgctt	gaacccggga	169971247
ggcagagggt	gcagtgagct	gagatgcact	ccagcctggg	cgacagggtg	169971297
aaactgtctc	aaaaaaaaaa	aaaaattaat	gcaaagacaa	aattagtgtg	169971347
ggaaaaccct	ttgctcagag	aaatgatggc	cacaaagtca	tattactccc	169971397
cccttactct	gtaaaaatctc	ctttgctaga	ggaagagtta	aaagtccaag	169971447
tgggaagcac	agtcccgggc	ggaggcaggg	aaggctatcc	tggctctgag	169971497
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tcctttcagt	cacatgggga	ggtcaacaga	gagcaatgac	tgtcctgagg	169971797
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atgaggaaac	tcatgcatag	agaggttgag	tgtgacgctc	atgttagcct	169971997
aacatgagga	tccaagagct	tatccattta	ctcagacttt	ttgattattt	169972047
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caaaaaatta	gccaagcatg	gtggcacact	cctgtagtcc	caactacttg	169972297
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tgagtgcact	tggccaattc	ccttaattcc	ctccctctgc	ctcagtttct	169973197
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caccatctgt	ctgggatgat	tattgttcag	atgcatattc	caaacttact	169973447
gagtacctag	tatgtgcggg	gttctttcac	ttatatcatt	tgcctttaaa	169973497

FIG. 1U4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

cagctctgca	ctgtagttat	tattacccat	tttctgcac	aggaaactga	169973547
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ccaaagccag	gatttgattc	caggccttct	ggcttgacag	tggcactcaa	169973647
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gctcattttct	ctcccctggg	ccccacagca	tcttcgaaag	gtgaggtcaa	169973947
ttcccatgaa	aagtaccaca	ctacgaagtg	cagccaaggt	ccagaggggt	169973997
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tgtggaatca	tccacatagc	ccttgcaagg	aggtatcaca	tacatccact	169974097
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tccacaagag	atttctctga	accagcgagc	tcatggccca	cggggaaacc	169974697
agacagacag	acacccaatg	acaacattga	aggcttgcac	gcacgagggg	169974747
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gtaagaggca	cttgctctcc	tggcgggtcc	ctttcggaga	ctaattggga	169974997
tgactagaga	ggaggatcca	gagcctatgg	ctgaaacctc	atcaacagct	169975047
tgggagagtg	acagccagcc	agtcttctgc	ccgcaggctg	aagaggcagt	169975097
gcttcccagg	gtgagccaga	ggtcagggaat	cagaaggcct	cccagagct	169975147
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gtggagtccc	gttggtcatgg	tggcaggagg	agaacagacg	gatcgccctg	169975247
ctccagcctg	acaatgtgag	gctgggcttt	tagcaaatgt	ggccggctgt	169975297
aattcagaga	actcaatttg	acccatgctg	tatcttcttt	cagataatgg	169975347
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gactcctcac	cccctcccaa	gacccagtc	atctataggg	cccgtgggtt	169975447
ccttccccca	ggctctctct	ctctccctgg	attgtggcaa	tagcctcctg	169975497
aaggttcctc	tgcgccccag	ggctaagtcc	tggtcccatc	cgctcttcac	169975547
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gcccttccac	cctgtctcca	cctggcatat	gcctgtgttt	ccctgaaatt	169975697
ccagcttaaa	tctctctcca	tgtttgccct	tctctgcctc	ttgctggatt	169975747
cctcatctcg	cctcccaccg	gttttgcatg	gatccctgcc	actacctgtg	169975797
tgtgtccatc	gctccatcca	ttgagcctgt	gaggggaaaag	cctattttaat	169975847
tcattgtcac	atcccttccc	tggagacaga	gtaaaatagc	taataattag	169975897
acaaaacatt	aattgagtgc	ttattttatg	tcaagtgtga	tttgaggact	169975947
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FIG. 1V4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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gaaatgtacc	tttgtatttt	aagtcattga	gatttggggg	ttgttactgt	169976247
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acacaattgt	tgaggatgtg	tcctcgggg	aggcatgggt	catctggctg	169976647
tgtcaciaag	cagatgggaa	cagctggcga	ggaaggactg	cctgtcctgg	169976697
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gagaaaagga	atgctgtaaa	cacagtgcag	ccattcggca	ggcagtggaa	169976847
gctgtctgag	gcttcagggc	cccctcctca	ctaggggcta	taattcatgc	169976897
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tttaatacca	gaaatatatt	ctctgtttac	atactttatg	caaaatctgt	169977097
tttttaaacg	taaaaagggg	attttttcac	acgtgcattc	ccacaagaac	169977147
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FIG. 1W4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1X4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1Y4

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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actcccacca	atttccttgg	aaatttctag	ctttcactga	catatctggg	169988147
atggggcggt	ggtcacaaaa	tcaatcccac	tttccctcgg	ctagtcttac	169988197
aagcacccaa	cagctctatt	cagaatacag	ggctgcccag	ctacttccca	169988247
ttcattatcc	ccaggttgca	agcttttagt	aaaaccaga	ggcagcaggg	169988297
tgtctggttc	cacctgctgt	taggatgatt	tcaggagtgc	aaagtgttag	169988347
aaacgcggta	aaacatgatg	cttagagatt	aagtgggatg	gggactgggc	169988397
agatgatgct	gctttggacc	cagcgagtga	ggtgagactg	cgacaagaca	169988447
gagccactga	gcagtgacct	gggggatggg	cattgcaggc	aaggcagaac	169988497
cccaagtggg	aacaacctca	ctgggcttag	caaaactaaa	gaggcccaaa	169988547
gtatactgag	cgatgaggtg	agtggcgtgg	gataagggtg	gagaggaggc	169988597
tggaaccaga	ccctgcaggg	ccttgcagg	gatgggaagg	agtttggaag	169988647
gtgctggaag	gtttgaagca	gaggagggat	atgatcatgc	ctgtagctgc	169988697
tatgtagaac	aactgtatgc	atgccaggcc	tgtgccacgc	atgctcta	169988747
cattactggc	tttaaccctt	gcactaacgt	tgtcatgcag	gtaggagcat	169988797
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caaggctccc	cagctgttag	gtgctaaggc	tggattcaat	ccaggacttg	169988897
cagactccag	tatcttggt	tttctaacga	gagtgtgcta	gctttcta	169988947
gggggtgggg	aaggcagtct	gccccctcc	catggcaccg	tgagcagggtg	169988997
tactgtctcc	agccagtacg	cctggacacc	gactaggaag	gagtatgtgc	169989047
tactaggagg	gatggtctgg	gctgactctt	tgaagttgac	aaggagttgc	169989097

FIG. 1A5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ataatcccag	ctaataatta	tgctggacca	ggggcagaga	cattactcca	169989147
agggtgacca	ggtgtggaga	agaggctgct	gactccgggg	ccccaggacc	169989197
tggcccccag	gtctcattgc	ccgagtgtgt	ccccagaagg	agtagaagct	169989247
ggagctgtcc	gggccacagc	cgaggctggg	tgaatgtctg	agtgaggctg	169989297
ccgcacaagt	tgcgtgttgt	gacatttgtc	ttctggaggg	gattgggatg	169989347
ggctacttca	gcatttataa	acccctacta	ggtctgagaa	atcccctcag	169989397
cttatgagcc	tgggtgggca	gcaggccttc	tcaagaagcc	cagaaggcca	169989447
gatgctcact	tcccaggctc	tcttgcggtc	gagctgagag	caggcacctg	169989497
aggcctggca	agtgtgacag	ctggtgacac	agacagacag	ggacagggag	169989547
atgggactgt	gcctgcagcg	gtagccctgg	ccggtgttca	gtggggccag	169989597
catccgtgtc	tttcctgggg	gccagtgggg	gccgtggctc	tgacgatgca	169989647
tccctccccc	acgttttttc	tcttcttgtc	ttggactttg	caggagacac	169989697
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cttggcccca	aacaacatga	ggaaaaataa	ataaataatg	tacctggtaa	169989847
ctgagagagt	tccctctgca	tcttgggctc	tttcaatgag	atgtcctctg	169989897
cctgcagcaa	gccccaaagg	cttccctcac	caggaccagc	accctggttt	169989947
gcctgacccc	acacctgcca	atgccggggc	aagaatgtcc	caggctgccc	169989997
tggttcccag	agctgatgct	tcccacagtg	cccagctgtg	ctggcatgga	169990047
gctaaggaca	gggccagtcc	caagaaaaca	acaaggctcc	agggccaccg	169990097
gccactgctc	aggaccctgg	ctgaccccac	agatgcggtg	tgcttgagat	169990147
ggctcatggg	tgacccccag	gcattctggc	aaggtcacaa	tggctgtttg	169990197
gcttgaagac	agcccttgca	agatctgttt	tgagccaacc	tgtggcattt	169990247
agccctccct	gggtgacaaa	taaaaaggct	gaggcttgta	ggagccaagg	169990297
tgggagtccc	catctacccc	cacctctca	gccaccagg	gccagactg	169990347
gggaactgct	cctgtctcga	gggacagggc	tgaagaggag	aggggcttgg	169990397
ggctcccctt	gatcccaaag	ctccagggtc	cccaaagaaa	cgtatcagca	169990447
gcatgagaat	atcgggtgac	ctctctctct	agtaaagtgc	aaaactttta	169990497
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gtcaggactg	ggagcctgga	cccctcttcc	ttctgtctct	gctttgcaga	169990597
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agacagcatt	ggaagataag	aatgcagcca	aagaggctct	cagggtagcg	169990697
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acagccacct	ccatcaccaa	aggtcaggcg	aaccacctcc	catggctacc	169990847
cccagcctga	cttgctttat	agaaatcatg	gcattctcat	ctcacaacag	169990897
cccacactca	cagtgaatct	tggccattat	gacaactggg	gacactgagg	169990947
ctcggagtgg	tggaaattct	cagaatcaca	taacaataag	tgtaaagtc	169990997
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cgtttctggc	cataatcata	ttgtgcccta	caagccccag	tgagggaatct	169991097
gctaggaaca	ctggtttggg	gaaaaaatgt	aataaaatat	gtgatccaga	169991147
aggcggcctt	ggtacctgtc	ataaaccgca	gcatggggta	ctcactatgc	169991197
ctggggctct	ggctctgaag	gcatgattga	atgatctcac	tgaggcctg	169991247
gttgtcctgc	gaagacaccc	gtcaatacat	gaatattgac	acacaacgct	169991297
gcagtgcacg	cgcttctggc	aggggagctg	ctgcactcga	gggcagctca	169991347
agggttaattt	gcagggttca	tgtttggagt	ttctgagcaa	gtgttgagc	169991397
tttggccccc	agccccctga	ggggagctct	ggcgtgcat	gagggtcaga	169991447
cagaaaatct	cctttcctcc	atccaggcct	gcagtctgca	gactgagggt	169991497
cagcgtggc	cacaagccca	ccctgtgcct	cgtcagcccc	actgagcctc	169991547
tccatctatc	atgccacagg	ctgaccctga	aatgcaaaat	cattctgtcc	169991597
tccgccttc	cactcccacc	tcgcacatct	atggatttgc	tgttcagaaa	169991647
acatctgttc	cctccttcgc	ccctgacata	cgcctcgatc	tcatgctagc	169991697

FIG. 1B5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ccagctgcct	aagctcacca	ctctgggaga	cagactctca	gtcctcatca	169991747
gacagagatg	tagggggctg	taagggacgg	gggtgcaggta	gggcctgagg	169991797
attccgacaa	ggtgagccat	gggcaggggc	attgttcatg	cagggacctc	169991847
ctggccaagg	tcctacgtca	agggttagaag	gaaagagtaa	atgatcggat	169991897
aggctaagac	agcaactcag	caggccaagg	gactcctccc	ccaggacctg	169991947
ctccaccctt	agaggggtcc	cggacagcca	agccctgatg	gagttggtca	169991997
gcaaccaacc	agccctgggg	ccaaggcctg	cagaagcaga	gaggaggggt	169992047
ctcaggcagg	ccagaggtgc	tagctgggat	gcctgggtcc	cccacccac	169992097
cccagcacac	tgtcctttct	ccaggtgctc	agttagattg	agctgggtcc	169992147
catcttgggc	ctttgctggt	ccctccctag	aaagtctgcc	ccctccccct	169992197
gcagggtggc	atcagcattc	aggcctggcc	ctgacgccct	cctctctggg	169992247
ccaccttcac	ctccacaacc	cgggcaccag	cacccatccc	caccacatcc	169992297
ccagcacgca	gcattctagta	agggcaccaa	atgcatgccc	agacatatga	169992347
gtgaaatgaa	ttaaccctga	acctgaaaaa	gggcaaccac	cacacaagat	169992397
tctctagaaa	caatgtgaat	tgtgcagaag	gaaatttaacc	ctactccatc	169992447
cagccccatcc	taaggcaggg	acttggacct	gttcctcttg	atggggctgg	169992497
ggctgaggcg	ggcaaggcag	gcaagtgtct	aacagttggc	aacattgccc	169992547
atcccgctctc	cctgcaccag	gctgggcctg	gggtgagggg	gtggggggccg	169992597
gggtagctgg	gctcctccag	caaagagcag	gactgagtcc	ctggtgacta	169992647
ttaggtaaaa	ggtccctgac	aattttgagg	ggccagatgc	caactcgagg	169992697
gatacagaga	agatctaggc	acagtctttc	cccaccatgt	cagacaaaaa	169992747
ggttagatac	aggacctgat	atgtttataaa	actcaatcaa	tatttactta	169992797
gtgaataaat	ggacggatgg	atggatggat	gcattaggca	gccaagtggg	169992847
cagcaccgat	gacttaatgt	actgagtgtc	ccgactccag	caacatgcat	169992897
tcattgtttcc	tactgtgtgc	cagtgaacaa	gagcaatgaa	ctcaatgact	169992947
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atttgggtctg	ggaggtacag	atgagtaggg	ggtcgagtgt	gtcgttatgt	169993047
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ggccttactg	cctaacttgg	agccactgta	tgtttcaaaa	caaaggagag	169993147
agaggatcct	gggaaagaga	aagggtactc	taggcagagg	atgtgaatgg	169993197
gcacagcaca	ggtgagaaca	tcaagaccag	gggtcagggg	atctactggt	169993247
aaacaattgt	acccaagggt	agcaatcaca	gcctctccat	ccacaggga	169993297
atgcctgggtg	gggagggaatg	ggaggaaaga	aacagattgc	atgactgtgt	169993347
cttgaagggtc	taattccaga	gtacagcatc	acccctatct	tccagggtcca	169993397
gaaactgagg	ctcagaggga	gactttctga	tgagtgcagc	gtgcagataa	169993447
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tggtcagggtg	actccaacca	gatgacttcc	ttctctgagc	ttctgttccc	169993647
tcctctatga	atggggacaa	tcactcagct	tcacaaaaca	atggctgcga	169993697
aattgcctgg	tacaagagag	agaacttcca	gtgtgtaggg	gctgttgtcc	169993747
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gtgtgagagc	ccaagcacca	tgcttggcac	atagtaggtg	ctcaggaaag	169993897
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agccaccagg	ccccagactg	ctggcttatg	tatttgtcat	tgctcatcat	169994197
gaatggatgc	caggaaagtc	tctttgtgat	gggggcacaa	cccctcaaat	169994247
ctcctcccct	ccagatgcc	tccactggag	ctgagactcc	caggtcccct	169994297

FIG. 1C5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

agggtttctc	tcccaggggc	ctctgggctc	cccaaggcca	cgtgctgccc	169994347
ccactagaga	cctggggccag	tcctgaccag	gggaaagagt	agcgccgaca	169994397
acagccccag	atgggtatgtg	cactggcaca	tactggcagc	tgccttcacg	169994447
acagcaagcc	ataggtccaa	atcccggccc	ttcacaggga	cattcccaac	169994497
tggtcagggg	tggacctccc	cttcccggct	gtctttgggtg	tccaggacga	169994547
tttgccacag	acagggggag	ctaaaggggc	ccacgcttga	ggccgctcag	169994597
ctctgagtc	tcgcccggcca	cagaggacct	tcgtgcctgt	cctctgtcct	169994647
cctgcccagt	ccccaggcca	ggctcagctg	gagttgggga	gcagaaaaac	169994697
acgcatctga	atcaaggctc	tcggagcctt	tgcttctgcc	tccaagaggc	169994747
gagggaaaat	gaatacccg	gcgagcgagc	aagagagacc	ctcagaaaac	169994797
cccagatgcc	cctggaatca	agccctgtcc	caccaacgcc	acgtggattg	169994847
acaggctatt	agtcttccctg	taattaggat	tctcgccctca	aatcttgtat	169994897
ctttttcccc	cagaagattc	tcctccagcc	ttcaccactg	ccccctggcg	169994947
cttccttgca	aggcttttga	agaatccttt	gcagagaagc	agcctccttt	169994997
ggcaggggct	gcagagcact	ctgcctccct	aggccagggc	gaaccaacag	169995047
aggcgggaga	tgaggaggag	cagcgcggtg	ctgctgcgtg	gccctgggca	169995097
agcaccacaa	cctctctggg	ccgtttgcac	attcttaccg	ccagggatgt	169995147
gggcggtaaa	tgaaagagac	cagcacaaaac	cagtgtcagc	tcccttcctc	169995197
gattcctaaa	atgtgatgcc	caaagatggg	ccagcctcct	gctgtgcctt	169995247
ctctgggggg	acatttaata	agtggaagag	ccctggctct	gagtcaggct	169995297
agaatcccag	ttctgcactt	aaccagctgt	gtgacctcag	gcaagcaacc	169995347
tggcctctct	gaacctgagt	ttcttcatct	gtaagtggga	acgctaatgc	169995397
tgtgctgagg	gttccatggg	acaaccatgt	aaaagcaccc	agcacgcacc	169995447
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ggcttgagca	cgggttgaac	ctggaagagg	ccatttccct	cccttctccc	169995547
cgaggaataa	ttgtgaattc	ctgggtctca	gaggaaacat	ccgctttggg	169995597
ggtcagaaa	gacatcctcc	tttgagcagg	gggagagcag	agggaagggg	169995647
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cacatggaca	acacagaaga	tgaggaaaat	gagcagggca	gctagtcata	169995897
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agaagtggct	tggagtaaga	cctgaagtgt	gggactggat	atgcagatgt	169995997
ctgggaggag	agcttttcag	gaagaagaat	cagccagtgc	agaggcctat	169996047
ggcagaccca	agcaggaggc	aaaagaaacg	cagaggcttt	ccaggatgga	169996097
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tggggcagaa	acaagagctg	atgacatttt	aatccctctg	gctgctgtgc	169996447
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gatatctaag	tggagagggc	aaggaataaa	atgcttccta	aactccagca	169996847
tccattcagt	cccctggaga	gcttggttaa	ccggatggat	gggtgccacg	169996897

FIG. 1D5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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caatgctgcc	agactgagaa	ccacacttcg	agtagacca	aagtaggcaa	169997047
ctggatgttt	gaggctggca	ttcaaaagag	agatcctggc	aagagataga	169997097
atthttggagt	cattggcacg	gaaatccaca	aaacgacatg	agctctccca	169997147
gggagtgtgt	gtgtgtaaag	agggaaagaa	agagcattga	gtcccagacc	169997197
ccaggctctt	caatggtaag	aggttggcag	attaggaagg	accagcaaag	169997247
actgggatgg	gaaaccactg	aagcaagagg	aaggccaggc	agatgtgtcc	169997297
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aaatgtaata	agaaaatctt	ttatthtatta	tttattttatt	tattthttgag	169997597
acagagactc	gctthtgcac	ccaggctgga	gggcagtggg	gcgatctcca	169997647
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gaggcactat	cccaggcctg	ccttctcatg	ccagcagcag	tgatctatcc	169999047
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ggctcaatca	atatgacacg	gccacgcttc	ctgatccgag	ccctctgagc	169999147
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ccaagagaca	aatagthtccc	ccaagatcgc	acagcaagcc	agtgtaaaac	169999247
aagcatagaa	accagcttht	agggggctca	aggtgggggt	cagaaaatga	169999297
ggtgagagca	agcatttact	gagcacctcc	tgtaaatatc	tcctacatac	169999347
gaagtgtctc	acccacatta	ctgaccaccc	aataaaggca	ggtcctgtaa	169999397
thcccaattt	gcagatggat	aagcagaggc	thagggtgt	gaaacaacct	169999447
cctcaaggtc	atggcttcta	agtgggtggag	ccaggcctgc	aaaccaggct	169999497

FIG. 1E5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gtctgaatcc	aaaatccacc	tccaagtcca	cagtgggttg	gccccacccc	169999547
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ccgtgttcac	ccgcctcacc	tcattccacgc	ccccacaaca	cccagccctg	170001847
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gaacagaacg	gacgtctcaa	aaaatgggca	tattacattt	aaaccctcaa	170001947
tctgttggtg	atttgagtga	aatggacata	cctccaggga	gtcgggtggc	170001997
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FIG. 1F5

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

atagaatgga	gatgaccaca	gggccagatt	cataaggttg	ttccttgtaa	170002147
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ctgtctcccc	ctgcccccat	cactttgtaa	ttgaaaagtc	atgattgctc	170002297
tcccaggtgt	agcactgctc	acaggtcaga	ttgcctgctc	tgacgtagt	170002347
actcagttgg	atgcggttca	gctgtgtatg	atcaactccc	tccccctgac	170002397
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gaaggcaaaa	agtgggtgct	aaagggctgg	tacagcagct	tcaagaaatc	170002497
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FIG. 1G5

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

attgacacaa	cctgattcaa	gactaactct	aaagccatga	taataaagac	170009947
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taaaaaaaga	tatattgaaa	tataattgaa	atacaaaaaa	attgtacata	170012747
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aaatgctttc	attcctcttg	ggcaaatacc	taggggtgga	attgctggat	170013247
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tacttgtcta	agatatatat	cgtattgcaa	tactatttta	tttctgactg	170014447
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FIG. 1K5

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cctatagtat	gtcaggcata	tacttgtgcc	tttatatata	tcagctctgt	170015347
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FIG. 1L5

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FIG. 1M5

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FIG. 1N5

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1P5

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1Q5

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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ctaccttaaa	ttaatttggt	gaaaggacag	atggatggat	ggttgatgga	170032097
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ggatcagcag	aagggttatac	catttttagag	taactatctc	ggacttcgga	170032197
gagttcctgg	gtatgaagg	ttggctttta	ttaaagtctc	agcacagtgt	170032247
taaatgccat	tttatttttag	gtcataatta	acactaatga	gatgagtgga	170032297
ttacaaagag	cacacatttt	gagaaagtga	aaaacaacat	ctgagcttgg	170032347
tgggtttccat	tttcgctttt	ccccctccca	tgctctgttc	aattaaaagt	170032397
tttgagaaaa	tattacaacc	atactccttg	tctttgtggt	aatgaagcat	170032447
attaatttga	atgtgatgaa	tacaatatct	cactgacttt	tttattccct	170032497
tatctacaaa	agttttaa	aatggacca	ttaaaccagg	agagaagaat	170032547
gcagggtttg	cctggggatc	caattcagca	accagagaac	tgaaagaaca	170032597
aaattttttg	acggagtctg	ggccagactt	catcccttac	ctatagctga	170032647
caaacagtaa	gtcaaattgg	gcagatgtgg	accagcgag	aacacatact	170032697
atattgagga	tcgaaaggcc	aggttccaga	ccgtcctcta	atattttctt	170032747
agtgaatatt	tggttgatga	atgcatggat	gggtggatga	atagatggat	170032797
ggatggacag	atggacggag	agagagatgg	atgaatggat	tggttgatga	170032847
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cctagaggca	taaactataa	attatagagt	tggcctgagc	tcagtttccc	170033047
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aacccgagta	aggctgagct	tccccagca	ggagctcctg	ctttggaaga	170033147
gaacatcctg	ggccaggcgc	agtggctcac	gcctgtaate	ccagcacttt	170033197
gggaggctga	agcgggtgga	ccgcctgagc	tcaggagttc	aagaccaccc	170033247
tgggcaacat	ggtgaaaccc	catctctact	aaaatacaaa	aatttagcca	170033297

FIG. 1R5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ggtgtggtga	tgcagcacac	ctgcagtc	agctactcag	gagactgagg	170033347
caggagaatt	gcttgagcct	gggaggtgga	ggttgagctg	agctgagatc	170033397
acaccactgc	actccagcct	gggcgacaga	gtgagactct	gtctcaaaaa	170033447
acaaaaaaaa	aaataaaaaa	aaaagaagag	gacatctgga	gcaggcctgt	170033497
gaacctgaca	catggtccag	gtgtctccct	gaggacttct	ggaagtctcc	170033547
ccacctctct	gtggtccttt	aggcattaac	accaccttgt	cactgtgtct	170033597
tctgaggcag	tctggaagtt	cataccccc	aatctctgtg	taccttgtcc	170033647
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aatccttaac	acggtctaca	atattctgca	tggcatggcc	cctgggtgcc	170033797
tcccaacctg	atctgtcaca	caccacctcc	acctttgcct	gttccctggg	170033847
ccctagcact	aaccttttgt	tcattcctag	acaccttttc	agcacttagg	170033897
ccccacagc	cctcagaacc	tttacacttg	ctgtctcttt	tgctttaaat	170033947
gttctttgcc	cacctaccac	ctagttaatg	ccttttcctc	cttcagctct	170033997
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agtattcttc	ctttatggca	ccaatcacgg	cttatatgat	atacttatgc	170034147
tattatttga	gttatgtctg	tctccccag	tatgccacta	gtattagaat	170034197
cattgatttt	taatcattgt	atccctagt	cttagcacag	agcctggctc	170034247
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agcagttcac	aatgtaacaa	aaaagagaca	caaatacaca	gtgacaatac	170034497
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agaagaaatc	tctctattcc	tcactggagg	cttactaag	gagatattcc	170034597
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gattaagcag	tgtaatcagc	tgctgctgag	agttgcaaat	gcaataaata	170035147
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atcttgacaa	catttgtttt	acttagttga	gttactaaat	attcatgata	170035647
ccatgaaaat	gtgttatatta	aaagtgttcg	atgaattctg	agtttttagta	170035697
attcatatgt	gctgtccccg	cccaaccccg	attagtctaa	actggtgaga	170035747
tggggctagg	agtcctcccc	tcttgggtaa	cagacttgac	acagttaaag	170035797
tgagacaaac	tttggagtca	gacagacctg	agttcaaatt	ctagttctac	170035847
cacttactag	ctgtgacctt	ttgcagctta	aacactgagg	ctctattccc	170035897

FIG. 1S5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gatctgttaa	gtgagagtgg	tgatgatgac	gaccatgaca	gctaataattt	170035947
atggatcgcc	tatttgttta	tctccaacac	aacgatacac	tgacgtaggt	170035997
ctaccatggg	tcctgtttca	cagatgagga	aacttgaagc	ttagcgagct	170036047
caagtaactt	tcctgaggca	cagggctagt	gaataaccac	tctgggacct	170036097
agtatctgtt	ctagctgggt	tcaaagccta	tgctgttaag	tgggctctga	170036147
tactatcttg	tacagttggg	ggaagatttg	agaagacatg	tgtaagggtat	170036197
agttcctggg	atgtaattag	gactttataa	atatctctta	tatggaagga	170036247
ctgaatgtat	cttcctgggc	tgtgtcctcg	cagggagata	taacatctat	170036297
gtcactctca	acgctttatt	aatgtccctg	tcactctata	cccttgtcca	170036347
agttactcca	caccctccaa	agcctcaagt	ttttaatctg	taaaatggtg	170036397
gtgggaggag	gtggggagt	agcgtctcta	cacatactac	taggttgggg	170036447
gtaaattagt	aaaacaactt	tgggaaacaa	tttggaaga	cttagtaaaa	170036497
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gagggaggga	aggagggaaa	tatttaatat	ttaagttaca	tccacagggt	170036797
tgattataaa	tgtgtgtatt	gaattggaat	ttctgttgaa	attctgatcc	170036847
cttctagaca	aagaaggtaa	aaattgaaac	atgtcaatgg	atatctaaat	170036897
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tgctgtatcc	taactcaaaa	gttgattatg	gagagtggca	tagtattgtt	170038397
tcaacaaata	tttattgaga	aactgcaaca	cgcaaataga	tgtaaaagg	170038447
tgaacagaac	tttgcaaatt	aaaaatccta	aaggacattt	tagaccttat	170038497

FIG. 1T5

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaacttccta	ataggttaaga	ctttttaatc	tatctgcagt	gtccaacagg	170038547
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aaggagggag	gaagatgaaa	gaaggaaggg	aggaagatga	aagaaggaa	170038647
ggaggaagaa	gggagggagg	gagcgaggga	ggcgggggag	ggagagaagg	170038697
gggaggtagg	gaggggaaaga	aggaaggaaa	ggaaaggaaa	ggaaaggaaa	170038747
ggaaaggaaa	ggaaaggaaa	ggattacagg	tgggagggag	ggaggaagg	170038797
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gaacacacga	atcatTTTTCC	catttttcgtc	agtgatggga	atggtaaatga	170038947
ttttctctct	gaaccataac	catcttgag	ttaaataatt	gctttctgat	170038997
agaatcagga	gctctgagat	ggtgctctga	ggagtctctt	cattttctttc	170039047
gcacctttta	aagaaaagaa	aacttcaagt	gcaattattg	gcattatttt	170039097
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gtttttccaa	atgaggttta	gacagtacct	taccaggaga	accactcaga	170039197
aagcccccac	ggcagcagca	agccctgttg	agtcaagggc	acatggatgt	170039247
cacactgcac	atgtgttttc	agataactaa	gtgaactgct	ccgatcttgt	170039297
gggtcattgc	accacggggc	ctctccattt	acttcagggt	acacagcaac	170039347
aagcaagctg	agagcagcag	aagtagctag	ctaaaattgc	atttgatttt	170039397
gtgactgcta	gaggccaata	ctcaagtga	gtttaagcaa	aaacaaatca	170039447
tactcagctg	aaaacatttg	cctggaagaa	agatctgtgg	ctggagaatt	170039497
ggagttcatg	caccagcaa	tttcagagg	aagtctgatt	cccctacctg	170039547
aagtaacact	ccttccctctc	cccagatcca	gatctccaga	ctatacgtac	170039597
tcaatatatg	acttgtccat	ggggcccagc	tgagcattat	tgctcttagc	170039647
ttatggttaa	taataacagt	aataattata	ctaataattat	tctttctatg	170039697
cataattact	aattcatctt	aatctcacia	ctctatgaag	tacatactgt	170039747
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Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1W5

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FIG. 1Y5

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ctaatagact	tgggcaaaaat	acttaacttt	cctgagagtt	agtttccctca	170054047
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Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gttgaaataa	attgtaggag	aacatttggc	tcagtgcata	gcctatataa	170054147
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tgggcacaac	cacactgggt	cagcattgcc	atgggtccaag	aggcttctgg	170054297
tgcccaggga	accagcaggg	tcccctgagc	gttcctcctc	agctcccaac	170054347
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aaacaccact	cgagatcctc	actctcagga	attcaatata	gaaaacacat	170054447
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aattcaaaaa	ttgcttgata	tacatgccct	caattttccc	caagaaccac	170054647
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caacaggaaa	gaagcaggct	gctgggtggg	acccttgga	gatcccctcc	170054847
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gagttttgaa	aataaatccc	ccaggcttgg	agaagcaaag	aatcaatgct	170054947
aagcagctcc	ggaaataata	gcttccatct	ctctgatata	taaagaggat	170054997
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cagttcatgc	acttactccc	tgtgtgaccc	tgggaatcac	ttaagctgtc	170055147
tgagacttag	cttgtctaata	gacaaactgg	ggatactaata	atcacctccc	170055197
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tcaattatag	aaagtatttg	aaagatocca	taaattcccc	tgtcatatca	170056297
cgtgagctgc	atttactgca	gcagacactt	tttatctcgg	gcttggagga	170056347
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agcctaggta	gaatcttggc	ctggcccttc	cgggatgaca	ggtgccattg	170056597
cccaagaatg	gggaaaaggc	tgaagtgtc	cagccaaaga	ccccaattta	170056647
tcttcaggac	aattttcact	ggaaaccttg	cctcaccact	gcccactttt	170056697

FIG. 1A6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tcagaagtaa	ttagaatgct	aatctataag	aaagatgact	attaaaaata	170056747
aattaataat	agataatata	ttttggctta	caattttgaa	taatatagcc	170056797
atcccatctt	aaagtaaaaa	ttcatatat	tttaataagc	ctgagacatg	170056847
ttttccaatg	aaccacagat	ggttcatttt	tattatccta	taaagagaca	170056897
ttatgggcaa	gtgtttttta	aaatggtaaa	acagaacctt	agagcagctc	170056947
tcttttgaag	atctctaagc	actttctaag	catcaggacc	cccttctgtc	170056997
atcacagaga	ctgaaatgag	gagatgggtc	ctgtcacccc	ctcactcacc	170057047
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cccattctct	agaaaaacct	catcatcact	ggggccaggg	cagagaagtg	170057597
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FIG. 1B6

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

gaaagtgact	gtgtgtgtct	gtgtaggagg	gtgactttgt	ataggagaga	170059347
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taaggacagt	cagatgtact	tccctagaat	gcacatttcc	ttctgctcca	170059497
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tagatatattt	ctgtttttata	acccttgctt	tttcttgcac	ttctaggaat	170061897

FIG. 1C6

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Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

ttttctgaga	actaatctga	aatctgcaca	gggtcccccac	gtctcggatc	170061947
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ctcaccatca	ctcctctctc	actgatgctc	aagtgggcta	tcacctcgcc	170064497

FIG. 1D6

Docket No.: 2345.2049-005
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Replacement Sheet

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caaagcatct	gcccatacaag	cagatgatgt	gattagtctc	tgtgacccca	170065297
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FIG. 1E6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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aaacgatcat	atttacttta	tcctattcat	gtccaacctc	aactgacaat	170068247
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FIG. 1F6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1G6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1H6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1K6

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Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

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FIG. 1L6

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aagaatcaga	aaatctgact	agctctgtat	tatttagaga	aattatattc	170086697
acagttaaaa	accattccca	aataaaaatta	taggcccgaga	tggtggactg	170086747
gtgaattcta	atatcaatcc	tacaaaaaaa	ttttagaaaa	tagaggagga	170086797
tggaaacattt	cccagcttgt	tttataagtc	caatagtacc	ctgataccca	170086847
aaccaaaagaa	aaaaaggtct	tatgaaagga	aacaactaca	aaacagtctc	170086897
cctcgtgagc	acagataaaa	aagctttcac	taaatattag	caaattgaat	170086947
tcagcaatat	ataaaaagga	tgatacaata	caactatgtg	agtttttattc	170086997
taggaaggca	aggtttggtt	aacattcaaa	aaccaatcaa	tataattcac	170087047
tatatttaaa	gaaaccaaag	ggatatagac	tggaaggaa	gaattaacac	170087097
tgtctttatt	tgtacatggt	ataattgtat	taatagaaaa	ccctaagagt	170087147
ctacaaataa	actgctaata	ataataagtg	aatttaacaa	agtgaagaca	170087197
tgagttctat	ttacaaaaat	cattttataat	tctacatcca	acaagcaacc	170087247
agaaaaattaa	attaagaaaa	atagcatcaa	aaagcacaaa	atactttgag	170087297
aaaaattcaa	caaaacaggt	gcaagactca	tacactgaaa	actataaaat	170087347
attgctgaaa	taaagtaaag	aactaaataa	acacagagat	aaatcatgct	170087397
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tttatagatt	tagtgtgatc	tcaatcaaaa	tcccagcagg	tattttgtag	170087497
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agaacaaagt	tgaaggacta	aacctacctt	acttcaagac	ttaatgaaaa	170087597
tgtgcagtag	tcaagatggt	agggaattgg	cataaggata	gacatataga	170087647
tcaatggatc	aaaatagaga	gtcaaaaaaa	ctaaaagtag	agctaccata	170087697
tgatccaaca	atcccactgc	tggctatata	ccccatgtaa	aggaaaccag	170087747
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atagccaaga	tttggaagca	acctaagtggt	ccatcaacag	atgaatggat	170087847
aaagaaaatc	tggtacttat	acacaatgga	gtacttctgc	cataaaatag	170087897

FIG. 1M6

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Inventors: Inga Reynisdottir *et al.*
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aatgagattt	aatcatctac	aacgtggatg	gaattggagg	tcattacatt	170087947
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atagtcaatg	ggtacaaaaa	aaatagaatg	aatgaataag	gcctgggtatt	170088147
tggtagcaca	acaagggtgac	tgtagtcaat	aattttaattg	aacatttttaa	170088197
ctaaaagagt	gtaattgggt	tgtttgtaac	acaaaggata	aatgcttgaa	170088247
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cgtgttttca	cagctgtata	tccattttgga	aacaaaaatg	gacattaacc	170088497
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aatattaaaa	caaaagctgt	tttcttaagg	aatacatagg	agaaacattc	170088597
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agaaaatgga	aatgcaagcc	atggacttgg	aaaaaatggt	tgcaaattat	170088747
ataccagata	tataaagata	ccaggatacc	aaaccaatat	aaagactggc	170088797
atccaaaata	tataagggac	atttataatt	taatacaaag	ataaacaact	170088847
tcatataaaa	taggcaaaag	atttgatgag	atatttaaga	aaagaagata	170088897
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aaaaaaaaaa	aaaagccaga	catggtggta	agcacctgtg	gtcccagcta	170089347
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caaatgtctg	tcaacaggac	aatgggtaaa	tacatcatag	tctgttcatc	170089647
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agtaaattat	gctccaataa	atttgattta	tttggtgaaa	aacttggtgt	170090047
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ccagtgtctc	gttttaaaggc	tcatacctgt	aatcccaaca	ctttgggaga	170090247
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ggatagcttg	agcccaggag	ttcaagcctg	ccctgagcca	taatcactgc	170090447
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FIG. 1N6

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taaaataaaa	taaagaaatg	cacatgacta	acatagggtt	tattccagga	170090547
atgcaggaat	agcccagtag	cagagaaagc	ctattaaata	atttatcaca	170090597
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aattttaccat	ttattcataa	taattttcag	gattcaatta	attaggaata	170090697
aaatactttct	tcagcataat	agaaaatacc	ccagcctggt	acacagcttc	170090747
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gaaaagatga	tgaagaaaag	atgaggcaag	aaaagatgat	gtctgcacac	170090847
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ttcatgggaa	aataaataaa	aatagtcaat	acatatatta	gagacctcac	170092197
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aggaaaagca	tcaatggcca	tgtagatgtg	aagggttgt	aaagcacaca	170093147
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ggtaaagtcc	cacaagtcca	tgctaattgta	aataaacaac	tgaatacata	170093547
aataaatgca	ggagagaagg	tagctcttcc	ttacagaaga	attgtaatta	170093597
ataagtatag	aaggaataaaa	ggaaatacaa	aattaccatc	aggcaaacac	170093647
tacagtaata	atTTTTtgcag	gcaagatcca	ctgaaagata	ctaaatcagt	170093697
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tcagtaataa	gacatctcaa	cactatgtaa	ctccctgata	tgacgcactg	170093797
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tcaatctaata	cataactaaa	ccagggatta	actcaaattg	agagacattc	170093897
tacaaaacaa	ctgacctgta	ctcatatcaa	aagtgtgagg	tcctgaaaga	170093947
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gggaggatca	cttgaacccg	ggaggtcgag	gctgcagtga	cggggattgt	170094197
gccactgcac	tccagcctgg	gtgacagagc	aagaacctgt	ctcaaaaaaa	170094247
aaaaaaaaaga	aaaaagaaaa	aaagaatgag	aaactcatac	agattagaag	170094297
agactaagga	gacacaacaa	ataaatgcaa	tgtagaatca	ttgaagggaa	170094347
aaaaatatta	gttgaaaagc	tgagatcccg	ccactgcact	ccagcctggg	170094397
ccacagagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	170094447
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actaattttg	taaatttttct	gtaagtctaa	aattattcat	aatatgcaa	170094647
aattaaacaa	aaaataaaaat	aaaataagca	catggaatga	gactgtcccc	170094697
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cccataacaa	ggtaaacctac	ccatgagctt	ctgagggatt	taggaattgt	170095147
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gcttctaact	ccctatcacc	tgctaaagaa	ggacctcacc	ttttaatcac	170095247
tttcattgcc	aaggggcaca	aggagcccca	aactctgtca	cctaggaaga	170095297
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TATCCTGTGC	TCAAAGAGGA	CACTCCAAGG	CAGCATGTGG	ACGTCTTCTT	170095447
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FIG. 1P6

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ctgccagaat	aatgagccaa	ataagcctat	actgacatta	accttttcat	170097647
ttctgatatt	gataatttga	aaagcagctc	taataagcat	ttatctactt	170097697
tattgatttt	tttgaaagag	agcgcttttg	ggggttttct	tactgtatgt	170097747
ctctattgca	tgttctgtat	tttacatttt	tctattattt	cttctctgag	170097797
gtatagtatt	gaatgtagaa	aaatcctcaa	atgttcggta	ttaagcaata	170097847
cacttcta	tcattggttca	gagaagaaaa	tatctcgaat	aaaaataaaa	170097897
taaaaatatg	acttatcaaa	atttgttagga	tctaaagcag	tattccagga	170097947
atgcaagggt	gggtttaacat	tcaataattg	gtcagtgtaa	ttaatcacat	170097997
taatagaata	aaaagagaaa	aaatataatc	atttcagtgg	atgtaattgt	170098047
tcagagcttc	ttaaaagaag	caactcacta	ttttactaga	tgatttgttt	170098097
cttctgaatt	cctctttaag	gctacaggtg	gtgcttctta	ctttgaactg	170098147
atcactttct	aggtccccac	ccttacttct	tgtttttcat	accctttag	170098197
agttttctcc	atataggaaa	cccatgcttg	acatttgctc	accagagtta	170098247
cagagctctc	agggaggaga	ctcagagttc	taaccctctt	gccctccttt	170098297

FIG. 1Q6

Docket No.: 2345.2049-005
Title: Human Type II Diabetes.....
Inventors: Inga Reynisdottir *et al.*
Replacement Sheet

tttcccagGA	CGACAACATC	ATGAGGTCTC	TCCAGCTGTT	TCAAAATGTC	170098347
ATGTAActgg	tgacactcag	ccatttcagct	ctcagagaca	ttgtactaaa	170098397
caaccacctt	aacaccctga	tctgcccttg	ttctgatttt	acacaccaac	170098447
tcttgg					